CONSTRUCTION NEWS

Some of the Week's Large Projects

AMONG the announcements for the current week are the following:

Proposed Work

Office building, New York, N. Y., A. E. Lefoourt plans, $11,000,000.

Office and loft, New York, N. Y. L. I. Brooks, archt., takes bids about Jan. 30, $6,000,000.

Power plant, Gorgas, Ala., Alabama Power Co. had plans prepared (1st unit), $5,000,000.

Bank, New York, N. Y., Bankers Trust Co. having plans prepared, $2,000,000.

Apartment, St. Louis, Mo., N. Frank plans, $2,000,000.

Garage and store, Chicago, Ill., G. E. Holmes having plans prepared, $2,000,000.

Hotel, San Antonio, Texas, A. Urrutia, Plans, $1,500,000.

Streets and roads, New Jersey, State Hy. Comn. plans improving and underpass, $1,815,000.

Apartment, New York, N. Y., J. M. Felson, archt., takes bids about Jan. 1, $1,400,000.

Apartment, Baltimore, Md., Gillet Realty Co. having plans prepared, $1,200,000.

Apartment, St. Louis, Mo., Versailles Building Co. will build, $1,200,000.

Y. M. C. A., Evanston, Ill., C. N. Stevens, pres. Bd. Directors, having plans prepared, $1,186,000.

Printing Plant, Chicago, Ill., A. S. Alschuler, archt., preparing plans, $1,000,000.

Sewers, Birmingham, Ala., Jefferson Co. made preliminary surveys, $1,000,000.

Factory, Berkeley, Calif., H. J. Heinz Corp. having plans prepared, $1,000,000.

Contracts Awarded

Shops, New York, N. Y., Bd. Transportation to Eastern Constr. Co., $4,170,000.

Office building, New York, N. Y., Wall Hanover Street Realty Co. to Starrett Bros. Archts. est. $3,000,000.

Power plant, Texas, Texas Power Corp., to Summer & Sollett Co., San Antonio, approximately $2,000,000.

Bridge, Ocean City, N. J., Ocean City, Longport Automobile Bridge Co. to Frederich Snare Corp., New York City. Engrs. est. $1,000,000.

News of the Week

Water Works

Proposed Work

Mont., Chinook—Made plans improving waterworks. $24,000. Burns & McDonnell, 402 Interstate Bldg., Kansas City, Mo., engrs. Noted Oct. 6.

Mo., Bolivar — Plans extending waterworks, incl. reservoirs, 250,000 gal. storage tanks and mains. $35,000.

Tex., Jasper — Voted $110,000 bonds, waterworks, incl. distributing system, pumping unit, etc. C. P. Hunter, Jasper, engr. Noted Oct. 27.

Okla., Tecumseh—Defeated $15,000 bonds, extending waterworks. O. M. Drake, Muskogee, engr. Noted May 26.

Calif., Bloomington—Making surveys 40,800 ft. 4- to 10-in. mains in various streets. To exceed $100,000.

Bids Desired

N. Y., Bethlehem (mail Glenmont)—Nov. 17, by Bd. Water Comrs. Water Dist. 1, Firemen's Hall, Delmar, water supply distribution system, here. M. Vrooman, Gloversville, engr.; adv. E. N.-R. Nov. 10.

N. Y., New York—Nov. 15, by N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., mains in Bailey, Baychester, Betts, Castle Hill, Delafield Aves., etc.

O., Cleveland—Nov. 16, by Bd. Comrs. Cuyahoga Co., 13,000 ft. 6 and 8 in. mains in Briar Cliff Sub-division 6, Impvt. 855. F. Williams, Court House, engr.

Mich., Detroit—Dec. 14, by Bd. Water Comrs., 176 East Jefferson Ave., constructing Pennsylvania Ave. Tunnel. G. H. Fenkell, genl. mgr. and ch. engr.; adv. E. N.-R. Nov. 10.

Ill., Chicago—Nov. 15, by City, Room 207, City Hall, water service pipes in portions 24 streets and avenues. M. J. Faherty, pres. Bd. Local Impvts.

Tex., Devine—Nov. 15, by City, waterworks improvement, incl. deep well pump, electrical distribution system, switchboard for power and light, conduits, etc. $28,000. Walton & Arneson, 418 Gunter Bldg., San Antonio, engrs. Noted Oct. 6.

Okla., North Miami (mail Miami)—Nov. 17, by I. O. Stevens, city clk., wells, triplex pump and motor, and 8,900 ft. 4 and 6 in. mains, etc., in various streets. $15,000. Engineer not announced.

Colo., Pueblo—Nov. 14, by D. P. Porter, engr. and supt. Trustees Pueblo Water Works, 319 West 4th St., 7,840 lin.ft. 41 in. concrete steel (not less than ¾ in. plate), c.i., continuous wood stave fir, creosoted, or redwood flow line from settling reservoir to pumping station. Noted Oct. 13.

Ont., St. Catharines—Nov. 11, by L. S. Bessey, clk. Grantham Twp., 4,400 lin.ft. 4 and 6 in. c.i. mains, valves, hydrants, etc., in various streets. $20,000. Rutherford & Ure, 24 Queen St., engrs.

Contracts Awarded

N. Y., Brooklyn — N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, mains in Gerritsen Ave., here, to N. DeStefano, 257 Glenn Ave., Tompkinsville, $18,413. Noted Oct. 20.

N. Y., Richmond (sta. Staten Island)—N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, mains in Arden and Bache Aves., etc., to G. V. Cornell, Rosebank, $33,800. Noted Nov. 3.

N. J., Denville—Twp. Com., Town Hall, water supply and distribution system, to C. Plansoen, 25 Hobart Pl., Garfield, $73,901. Noted Oct. 13.

Wis., West Bend — Common Council, drilling artesian well and furnishing pump, to F. M. Grey, Jr., Inc., 471 52nd St., Milwaukee, $9,500. Engrs. est. $10,000.

Ark., Fort Smith—General contract 8 m.g.d. high lift condensing turbo-centrifugal pumping engine, total lift 235 ft., and 8 m.g.d. low lift condensing turbo-centrifugal pumping engine, total lift 55 ft., to De Laval Steam Turbine Co., 432 Dwight Bldg., Kansas City, Mo., $34,100 and $6,900 respectively. Noted Sept. 29.

THESE reports are grouped under each class (water-works, sewers, etc.) and under each stage of the work (proposed, bids desired, etc.), according to the following geographic sections: New England, Middle Atlantic, South, Middle West, between Mississippi and Rocky Mountains, Far West, and Canada.

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk, or corresponding official.

Wash., Aberdeen—C. A. Watkins, supt. Water Dept. (1st unit), concrete lined tunnel and sinking 2 shaft one 60 ft. and other 180 ft. deep for industrial water system on lower Wynooche, to Siems-Carlson Co., Portland, Ore., $545,626.

Calif., Burlingame—For 10- to 16-in. c.i. mains, etc., in various streets, to J. Currie, 1100 Peninsula Ave., $17,810.

Sewers

Proposed Work

N. J., Margate (mail Ventnor)—Bd. City Comrs., J. W. Risley, mayor, plans drains in several streets. $75,000.

N. J., Seaside Heights—Mayor and Boro Council, M. A. Tindall, clk. making plans sewerage system, disposal plant, etc. $250,000. H. M. Herbert, Seaside Heights, engr.

Ala., Birmingham—Jefferson Co. made preliminary surveys 12 mi. 40 in. sewer from Irondale to point 1½ mi. beyond Edgewater Lake covering Homewood Sect., Redmont Park, Mountain Brook Estate, Rockridge Park and Hollywood. $1,000,000. L. H. Salter, Birmingham, co. sanitary engr.

Tenn., Bolivar—Voted $50,000 bonds, sewers in various streets.

O., Rocky River (br. Cleveland) — Bd. Comrs. Cuyahoga Co. (Cleveland), making surveys enlarging sewage disposal plant, here. $75,000. G. B. Gascoigne, Leader Bldg., Cleveland, engr.

Tex., Palestine — City plans purchasing privately owned sewerage system, and plans expending $60,000 improving same, incl. extension mains, and enlargement disposal plant. Address Mayor.

Bids Desired

N. Y., Long Island City — Nov. 14, by M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., sewers in 84th and 85th Sts., 147th, 107th, 109th and 18th Aves., etc.

O., Akron—Nov. 17, by W. F. Peters, dir. Pub. Serv., 17,135 ft. 8- to 48-in. vitr. clay sewer, etc., in Gorge Blvd. et al. $143,400. J. E. Root, Municipal Bldg., engr.

O., Cleveland—Nov. 16, by Bd. Comrs. Cuyahoga Co., 7,700 ft. 12- to 36-in. vitr. clay, concrete or segmental block sewer in Parma Park Blvd. and Pleasant Valley Rd., Impvt. 119. F. Williams, Court House, engr.

Mich., Halfway — Nov. 16, by A. J. Wendt, village clk., Municipal Bldg., sewers in Dist. 6. H. R. O'Mara, village engr.; adv. E. N.-R. Nov. 10.

Ill., Chicago—Nov. 15, by City, Room 207, City Hall, tile sewers with brick manholes and brick catch basins in portions 2 streets and 8 avenues; and drains in portions 27 streets and avenues. M. J. Faherty, pres. Board Local Impvts.

Ill., Chicago—Dec. 1, by M. J. O'Brien, clk. Sanitary District of Chicago, 910 South Michigan Ave., North Branch Sewage Pumping Station, Div. "B"; adv. E. N.-R. Nov. 10.

Neb., Lincoln—See "Streets and Roads."

Mo., Farmington — Nov. 19, by N. E. Bugg, Steward Hospital, sewage disposal plant, auxiliary piping, etc. on grounds State Hospital 4. Black & Veach, 701 Mutual Blug., Kansas City, engrs.

Ont., Toronto—Nov. 22, by T. Foster, chn. Bd. Control, City Hall, North Toronto Trunk Sewer, Sect. A-B.

Contracts Awarded

R. I., Providence—Bd. Contr. & Supply, sewerage works in Messina St., etc., to J.

See proposal advertising on page 167

TRADE **"LEADITE"** MARK

Registered U. S. Pat. Office

Only 51 days between the decision to build an emergency water works plant - - *and the finished job!*

- - the speed with which Leadite jointing can be accomplished contributed to this remarkable feat.

THE line illustrated here is 26,000 ft. of 12" pipe with LEADITE joints.

Owing to the emergency which arose in the city for which the installation was made no trenching could be attempted.

The line lies throughout its entire length on the surface of the ground without any bracing except at the bends.

After completion the line was tested to 260 lbs. pump pressure.

It is now under constant pump working pressure of 230 lbs. For over 30 years now, LEADITE has demonstrated by test and experience that it is absolutely permanent and secure.

Part of the 26,000 ft. installation, crossing an open field. Chas. E. Waddell & Co., Engineers.

Leadite is self-caulking and is so simple to use that the method of using it can be taught to even the most inexperienced help in a very short time.

Added to its speed and ease of use—Leadite saves at least 75% on account of saving in material and labor.

Specify and use **LEADITE** —it saves at least 75%

Be sure it is **LEADITE** and accept no imitations ~ ~ ~

The pioneer self-caulking material for c. i. pipe. Tested and used for over 30 years.

THE LEADITE COMPANY . . Land Title Building . . PHILADELPHIA, PA.

NO CAULKING

Sewers (Continued)

H. Ferguson Co., Pawtucket, $21,365; in Broad St., Rutherglen, Virginia and Georgia Aves., to J. Ambrose, 1100 Pontiac Ave.; Lawn St., to I. Capaldi, 47 Marietta St.; Adelaide Ave., Holmes and Chatham Sts., to A. G. D'Uva, 455 Union St.; and Blackstone Blvd. and 3rd St., to W. A. Gammono, Inc., 728 Valley St.

N. Y., Brooklyn — J. J. Byrne, pres. Brooklyn Boro, Boro Hall, to Picvac Constr. Co., 156 East 4th St., sewer in East 48th St. $18,188, and Colonial Rd. $4,458; to Manmill Constr. Co., 1780 Pitkin Ave., 70th St. $9,138, to J. L. Cuozzo, 26 Tuckahoe Rd., Yonkers, West 8th St., $7,123; to S. Guerriero, 1024 66th St., East 92nd St., $7,070; to W. D. Ficken, 411 85th St., Rockaway Ave. $7,176, and Rockaway Ave. $5,729; to Del Mel Constr. Co., 7624 15th Ave., Lenox Rd. $4,315, Winthrop St. $4,441, and Troy Ave. $3,464; to M. Tozzi, 1362 63rd St., West 8th St., $4,095; to P. J. Donlin Contg. Co., 82 South 3rd St., Myrtle Ave. $3,628; to A. W. Matarazzo, 1163 61st St., East 53rd St. $4,280, Jerome St. $2,585, East 12th St. $3,005, and Kenmore Pl. $2,228; to S. Ambrosio, 1016 60th St., Ocean Parkway, $3,287; to R. Iovino, 678 Glenmore Ave., 77th St., $1,474; and to C. Ambrozio, 10404 97th Ave., Richmond Hill, Livonia Ave., $890. Grand total $96,574. Noted Oct. 20.

N. Y., New York — H. Bruckner, pres. Bronx Boro, Crotona Park, 3rd and Tremont Aves., sewer in Lurting and Crosby Aves., to Anita Constr. Co., 2975 Marion Ave., $6,415 and $4,103 respectively, and in Patterson and Walton Aves., to Fiorello & Koch, 1895 Belmont Ave., $5,615 and $2,670 respectively; also grading Morris Park and Mayflower Aves., to T. DiRoma, 33 Evelyn Pl., $12,306 and $11,593 respectively. Grand total $42,692. Noted Oct. 27.

Pa., Phila.—Dept. Pub. Wks., Bureau of Engineering, to Garson & Garson, 1243 North 58th St., branch sewer in Caster Ave. $11,411, to E. B. and F. Pontarelli, 602 West Butler St., Cayuga St. $2,633, Charles St. $4,764, Comley St. $4,519, and Montague St. $4,203, to A. Carrado, 6920 Magnolia St., Godfrey Ave. $8,271, to F. T. Buckins, Jr., 4050 Kensington Ave., Ruan St. $4,700, and to D. Delise, 4842 North Leithgow St., Levick St. $5,216; to M. J. Driscoll, 100 Apsley St., main sewer in Tabor Ave. between Sanger and Cheltenham Sts. $9,782, and Tabor Ave. between Comley and Benner Aves. $64,040, also to Mundy Paving & Constr. Co., 226 South Warnock St., Packer Ave. $7,640. Grand total $127,179. Noted Oct. 20.

O., Akron—W. F. Peters, dir. Pub. Serv., 1,425 ft. 33- to 36-in. vitr. brick sewer in Gottwalt and South Main Sts., to T. E. McShaffrey Constr. Co., 173 South Forge St., $47,988 engrs. est. $46,900; also 2,370 ft. 30- to 48-in. segmental block sewer in Aqueduct St. Outlet, to F. George, 1657 Mahoning Ave., Youngstown, $37,402 engrs. est. $39,000. Noted Sept. 29.

Ill., Chicago — Bd. Local Impvts., Room 207, City Hall, tile sewers with brick manholes and catchbasins in South Knox Ave., West 98th and 99th Places, to G. Barry, 5924 South Wabash Ave.; West 99th Pl., Avenue O, Fullerton, and Jarvis Aves., to A. Scully, 4504 Wrightwood Ave.; Avenue N, South Kenneth, North Kilbourne, and South Kilpatrick Aves., to C. Roberts, 6921 Laflin Ave.; Leavenworth Ave., to G. G. Anderson; South Kolmar Ave., to D. Cuzzone, 922 South Marshfield Ave.; Northwood St., to F. A. Coda, 2710 South Wells St.; 83rd St., South Oakley and Northwestern Aves., to A. Santucci, 916 South Ashland St.; West 56th St., South Irving, South Oakley, North Springfield, South Trumbull and South Homan Aves., to N. Ranieri; South State and South Wood Sts., to M. Murphy, 5854 South Michigan Ave. Noted Oct. 18.

Ill., Niles Center—Sewer stubs in Howard and Oakton Sts., to O'Brien Bros., 152 North Central Ave., Chicago, $56,539.

Ill., Taylorville — For 8- to 21-in. vitr. clay and 24- to 72-in. concrete sewers in various streets, to Gjellefeld Constr. Co., Forest City, Ia., $202,203. Noted Sept. 29.

Calif., Los Angeles — Los Angeles Co. Sanitation Dist. 5, sewer between Western Ave. and junction with joint outfall sewer, to Frederickson & Watson, 354 Hobart St., Oakland, $237,682.

Waste Disposal

Proposed Work

N. J., Fair Lawn — Fair Lawn Impvt. Corp., N. A. Kueken, pres., plans incinerator. $30,000. Engineer not selected.

Bridges

Proposed Work

La., Melville—Texas & Pacific R.R. Co., E. F. Mitchell, Dallas, Tex., ch. engr., made plans 6 span 1,900 ft. steel bridge over Atchafalaya River, here.

Tenn., Nashville—Davidson Co. and State Dept. Pub. Wks. & Buildings, Div. Highways, Springfield, take bids probably in December, concrete bridge over Mill Creek, in Nashville-Lebanon Rd., near here. To exceed $25,000.

O., Cleveland—Cleveland Union Terminal Co., Ulmer Bldg., soon lets contract plate girder rein.-con. girder bridge over Cuyahoga Valley. H. D. Jouett, Ulmer Bldg., engr.

Kan., Winfield — Cowley Co. soon takes bids West Rock Bridge, two 100 ft. truss and four 30 ft. deck girder spans; Red Bud Bridge, two 20 ft. slab and one 50 ft. truss spans; Baden Mill Bridge, one 60 ft. and two 100 ft. truss spans; and two 100 ft. truss span bridge, 14th St., all 20 ft. wide. B. Boyle, Court House, engr. Noted Sept. 29.

Tex., Jasper—Voted $30,000 bonds, constructing bridge. C. P. Hunter, Jasper, engr.

Okla., Lacy (mail Hennessey)—Comrs. Kingfisher Co., Kingfisher, making preliminary plans 900 ft. pile trestle bridge over Cimmaron River, here. $45,000. C. R. Steele, Kingfisher, engr.

Bids Desired

Rhode Island—Nov. 16, at office W. M. R. Compton Co., 44 Wall St., New York City, 1,200 ft. suspension bridge over Mt. Hope Bay between Bristol and Portsmouth, for Mt. Hope Bridge Co. $3,500,000. Separate bids on substructure and superstructure also on combined bid. Robinson & Steinman, 26 Church St., New York City, engrs. Noted Aug. 11.

New York—See "Streets and Roads."

N. Y., Croton Lake—Nov. 18, by A. Goldman, comr. Dept. Plant & Structures, Municipal Bldg., New York City, reinforcing and reconstructing Pines Bridge over Croton Lake, here.

N. Y., Long Island City — Nov. 15, by Park Bd., W. R. Herrick, pres. Park Dept., Arsenal Bldg., Central Park, New York City, constructing bridge, roadways and paths, in Kissena Park, Queens Boro.

Ohio—Nov. 18, by G. F. Schlesniger, dir. Highways & Pub. Wks., Columbus, concrete girder bridge on Sect. "B-2" Cambridge-Steubenville Rd., Guernsey Co., $10,437; also grading, etc., 0.449 mi. roadway, and constructing 126 ft. span steel bridge on Sects. "K" and "L" Woodsfield-Marietta Rd., Monroe Co. $45,662.

Mich., Monroe—Nov. 14, at office City Comn., Bridge 3 of 58-7-3, Contr. 1, one 211 ft. span rein.-con. rib cantilever type. C. L. Cowgill, Plymouth, resident engr.

Ill., Chicago—Nov. 17, by M. J. O'Brien, clk. Sanitary District of Chicago, 910 South Michigan Ave., sub-piers and sub-surface girders for South Crawford Ave. bridge approach; adv. E. N.-R. Nov. 10.

Kan., Hays—Nov. 23, by S. S. Chittenden, clk. Ellis Co., Meistrel Bridge, five 33 ft. I-beam spans, between Sects. 9 and 16, Township 11, Range 18; also 5 bridges and 15.713 mi. culverts on Project 59. C. J. Loreditsch, Court House, engr.

South Dakota — Nov. 23, by State Hy. Comn., Pierre, 45 ft. concrete and steel viaduct on State Aid Project 103, Hand Co. O. H. Hetle, highway engr.

South Dakota—See "Streets and Roads."

Texas—A. C. McFarlane, Orange, taking bids on revised plans 1,000 ft. steel truss toll bridge, 20 ft. between Galveston Island and Port Bolivar. $250,000. J. W. Billingsley, Interstate Bldg., New Orleans, La., engr.

Contracts Awarded

N. Y., Peekskill—Westchester Co. Park Comn., 72 West Pondfield Rd., Brnoxville, constructing Peekskill Creek Trestle, in Bronx River Parkway Extension, here, to Linde Griffith Co., 4th Ave., Newark, N. J., $71,943. Noted Sept. 29.

N. J., Ocean City—Ocean City-Longport Automobile Bridge Co., Ocean City Title & Trust Bldg., substructures, foundations, concrete piles, etc. for main span, also trestle approaches bridge over Great Egg Inlet, to Frederick Snare Corp., 114 Liberty St., New York City. Engrs. est. $1,000,000. Noted Oct. 13.

Tex., Galveston — See "Streets and Roads."

Tex., Houston—Harris Co., 3 span concrete and steel bridge over San Jacinto River, on Market St., to L. E. Myers Co., Dallas, $205,027. Engrs. est. $250,000.

Oregon—State Hy. Comn., Salem, 10 span concrete bridge over Parrot Creek on Pacific Highway, Clackamas Co., to C. W. Rigdon, Woodburn, $29,775.

Dams

Proposed Work

Tenn., Cookeville—See "Buildings—Industrial."

Contracts Awarded

N. Y., Rye—Westchester Co. Park Comn., 72 West Pondfield Rd., Bronxville, stone faced rein.-con. dam and sluiceway in Manursing Island Park, here, to L. E. McLaughlin, Inc., 217 Jefferson Ave., New London, Conn., $52,683. Noted Sept. 29.

Texas—See "Buildings—Industrial."

Railways

Proposed Work

Missouri—Missouri Pacific R.R. Co., E. A. Hadley, ch. engr., Ry. Exch. Bldg., St. Louis, making preliminary plans approximately 3.3 mi. line from Illmo to connect with section of old Cape Girardeau Northern Ry.; and reconstructing approximately 7 mi. old Cape Girardeau Northern Ry.

California—Southern Pacific Co., G. W. Boschke, ch. engr., 65 Market St., San Francisco, plans (1st unit) new yard and yard tracks, etc. at Santa Clara, $300,000; approximately 26,000 ft. additional track at Watsonville Junction, $140,000; approximately 13,000 ft. new track at Stockton, $78,000; approximately 8,200 ft. new main track, etc. north of El Pinal, $115,000; also additional tracks at Walnut Grove, $66,000. Total cost approximately $1,000,000.

Excavation, Drainage, Irrigation, Levees, River and Harbor

Proposed Work

Mo., Kennett — Dunklin Co. takes bids probably in December, 15.25 mi. levee along St. Francis River, approximately 1,889,000 cu.yd. excav., etc. A. C. Spilker, Bloomfield, engr. Noted Nov. 3.

Tex., Bonham—Fannin Co., Levee Impvt. Dist. 1, c/o Secretary, made plans 8 mi. ditches and small levees to reclaim 10,000 acres land on Bois D'Arc Creek. $165,000. B. F. Williams, Austin, state reclamation engr.

Bids Desired

N. Y., Howard Beach (br. Jamaica) — Nov. 14, by M. Cosgrove, Comn. Docks, Pier "A," Battery Pl., New York City, dredging channel at Howard Beach, Jamaica Bay, here, Contr. 1899. Former bids rejected. Noted Sept. 22.

N. Y., Long Island City—Nov. 17, by M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., repairing and reconstructing sea wall, on Willets Point Rd. from point 675 ft. to 2,075 ft. southwest of Bell Ave.

Fla., Stuart—Dec. 15, by Bd. Comrs. Martin-St. Lucie Counties Impvt. Dist., dredging and rock removal at St. Lucie inlet. G. A. Youngberg, 21 Laura St., Jacksonville, ch. engr., adv. E. N.-R. Nov. 10.

Tex., Edinburg—Mestenas Water Co., c/o J. C. Engleman, Jr., et al, taking bids series ditches and reservoirs to carry off and make use "seepage" water from 10,000 acres irrigated land in Lower Rio Grande Valley, Hidalgo Co., near here. $75,000. Private plans.

Contracts Awarded

New York—M. Cosgrove, comr. Docks, Pier "A," foot Battery Pl., New York City, dredging 25,000 cu.yd. at 52nd St., Brooklyn, to H. Dubois Sons, 17 State St., New York City, at $0.295 per cu.yd.; 12,000 cu. yd. at Gansevoort and Market Piers, North

Constr. News page 240

INDEPENDENT Reinforced Concrete

PIPE

for PERMANENT Sewers —*and Profitable Contracts*

THE city wants a *permanent* sewer, and the contractor wants a *profitable* job! Both are made certain when the specifications call for INDEPENDENT Reinforced Concrete Sewer Pipe.

Permanence in the completed sewer is assured by the proven durability of concrete—plus these "INDEPENDENT" features; strong, tight joints, accurate reinforcing, quality materials, close inspection, expert supervision and careful curing of finished pipe.

Profit for the contractor is provided by the low first cost of INDEPENDENT Pipe, prompt delivery, speed and economy in laying, easy-to-seal "Recessed" joints, and the full co-operation of our concrete pipe specialists on every job.

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INDEPENDENT

Reinforced Concrete Pipe

Excavation, Drainage, Irrigation, Levees, River and Harbor (Continued)

River, New York City, to Morris & Cummings, 15 Moore St., New York City, $0.43; 48,880 cu.yd. at Washington St. Pier, East River, Brooklyn, and 12,600 cu.yd. at 156-158 North River, New York City, to Columbia Dredging Corp., 50 Church St., New York City, $0.2925. Noted Oct. 13.

Ill., Carrollton — Hartwell Drainage & Levee Dist., 204,717 cu.yd. open ditches, etc., to C. E. Walker, Cedar Rapids, Ia., $21,495.

Minn., Minneapolis — Gross Bros., 86 South 10th St., excavation contract for 2 story and basement, 115 x 157 ft., rein.-con. and Kasota stone store and office building, Marquette Ave. and 9th St., to Connolly Contg. Co., 2325 University Ave., St. Paul. Archts. total est. $200,000.

Texas—See "Buildings—Industrial."

Calif., Merced — H. P. Sargent, secy. Merced Irrigation Dist., 625,136 sq.ft. concrete canal lining, to Carlson Bros., Turlock at $0.065 per sq.ft.; also 1,216 ft. galvanized metal flume, to California Corrugated Culvelt Co., West Berkeley, $13,412.

B. C., Powell River—Dept. Pub. Wks., Ottawa, Ont., 1,000 ft. new breakwater, here, approximately 50,000 cu.yd. large dimension rock, to Stuart Cameron & Co. Ltd., 543 Granville St., Vancouver, $115,927. Noted Sept. 1.

Streets and Roads

Proposed Work

Ill., East St. Louis — See "Contracts Awarded."

Bids Desired

Massachusetts—Nov. 15, by Dept. Pub. Wks., Boston, bituminous macadam paving 17,000 ft. highway in Deerfield, and 11,050 ft. highway in Dover, both 18 ft. W. F. Williams, comr.

New York—Nov. 29, by A. W. Brandt, comr. State Dept. Pub. Wks., Div. Highways, Albany, constructing 22.12 mi. highways in Dutchess, Hamilton, Seneca and Westchester Counties; 1 bridge on Greene Co.; and reconstructing 6.89 mi. highways in Herkimer and Suffolk Counties; adv. E. N.-R. Nov. 10.

N. Y., Buffalo — Nov. 14, at office Dept. Pub. Wks., Municipal Bldg., having Belmont and Suffolk Sts.; also repaving Burt Alley, Clark, Glor, William and Cayuga Sts. J. J. Love, comr.

N. Y., Long Island City — Nov. 14, by M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., grading and granite block paving 43rd (Grout) Ave.; grading, sidewalks, etc. 56th (3rd) 143rd (Foley Ave.), 139th (Campion Ave.), 156th Sts., etc.; grading, restoring curbing, etc. on Jamaica Bay Blvd.

N. Y., St. George — Nov. 16, by J. A. Lynch, pres. Richmond Boro, Boro Hall, grading and bituminous concrete repaving Taylor St.; grading and granite block paving Grove St.; and concrete sidewalks, brick guttering, etc. both sides Lawrence Ave.

New Jersey—Nov. 21, by State Hy. Dept., Trenton, grading and 8 in. double line rein.-con. paving 55,163 sq.yd. East Creek-South Dennis Rd., Route 15, Sect. 11, Cape May Co.; and 47,090 sq.yd. Pittsgrove-Elmer Rd., Route 18-S, Salem Co. A. L. Grover, ch. engr.; adv. E. N.-R. Nov. 10.

Delaware—Nov. 30, by State Hy. Dept., Dover, grading and concrete paving, etc. 5,000 cu.yd. Corbit-Bear, Contr. 97; grading and surfacing 1 mi. Contr. 98; state highway police station, Contr. 99; also bridge, etc. State wharf at Little Creek Contr. 88., adv. E. N.-R. Nov. 10.

Md., Baltimore—Nov. 16, by Bd. Awards, sheet asphalt paving 12,760 sq.yd. streets listed in Contr. 440. N. L. Smith, City Hall, highways engr.

Ala., Birmingham—Nov. 22, by Bd. Revenue, Jefferson Co., Courthouse, concrete paving 23,000 sq.yd. 35th St. N.; Warrenite bithulithic paving 54,000 sq.yd. Hueytown Loop Rd. and 66,000 sq.yd. Mt. Pinson Rd.; penetration paving 10,000 sq.yd. Green Springs Rd., 7,000 sq.yd. Smyer Rd., 5,500 sq.yd. Huffman-Saddler Gap Rd., 5,500 sq.yd. Huffman-Ketona Ra., and 7,500 sq.yd. Powderly-Wenonah Rd.; also Finley method penetration paving 159,000 sq.yd. Bankhead Highway. C. J. Rogers, co. highway engr.

Miss., Kosciusko—Nov. 18, by Chancery Clerk Attala Co., graveling 9.995 mi. Durant-Starkville Rd., Project 54-a.

Louisiana—Nov. 29, by State Hy. Comn., Baton Rouge, graveling 9.498 mi. Sect. F and 1.85 mi. Sect. G Natchitoches-Boyce Highway, State Project 429, Natchitoches Parish. N. W. Bowden, highway engr.

Kentucky—Nov. 22, by State Hy. Dept., Frankfort, grading, etc. 5.4 mi. Glasgow-Burkesville Rd., Federal Aid Project 116-C Barren Co. E. N. Todd, highway engr.

Ohio—Nov. 18, by G. F. Schlesinger, dir. Highways & Pub. Wks., Columbus, grading and paving, etc. 5.321 mi. Sect. "S" Delphos-Upper Sandusky Rd., Allen Co., concrete $152,662 bituminous macadam $138,664; grading and paving, etc. 2.872 mi. Sect. "B-2" Cambridge-Steubenville Rd., Guernsey Co., $31,784; also rein-con. girder bridge over Salt Fork on Sect. "B-2" Cambridge-Steubenville Rd., Guernsey Co., $10,437. Previous bids cancelled. Noted Oct. 20.

Ohio—Nov. 18, by G. F. Schlesinger, dir. Highways & Pub. Wks., Columbus paving with (a) concrete (b) bituminous macadam (c) waterbound macadam (d) 2½ in. brick, except brick (e) 3 in. brick, except brick, 5.321 mi. Sect. "S" Delphos-Upper Sandusky Rd., Allen Co. (a) $152,662 (b) $138,664, 2.114 mi. Sect. "T-I" Cincinnati-Zanesville Rd., Fayette Co. (b) $42,618, 2.993 mi. Sect. "K" Chagrin Falls-Greenville Rd., Geauga Co. (c) $74,040, 6.748 mi. Sects "A" and "B" Troy-Ludlow Falls Rd., Miami Co. (a) $228,118 (b) $228,242, 2 mi. Sects. "C-2" and "A" Portsmouth Oak Hill Rd., Scioto Co. (a) $74,105 (d) $69,618 (e) $70,575; also grading, etc. 4.041 mi. various roads in Morgan, Guernsey and Washington Counties, $90,291.

O., Cincinnati — Nov. 18, by Comrs. Hamilton Co., asphaltic macadam repaving, etc. 18,800 sq.yd. Martin Rd. $55,968. E. A. Gast, Court House, engr.

Ind., Laporte—Nov. 12, by Comrs. Laporte Co., grading and paving, etc. John Lofgren et al Rd. $30,738, Fred Groehler et al Rd. $22,387, John R. Henry et al Rd. $22,354, and Henry Pahs et al Rd. $33,407. F. A. Hausheer, Laporte, aud.

Michigan—Nov. 17 (extended date), by H. C. Fleming, resident engr., 7 Monument Sq., Grand Rapids, grading 3.337 mi. F-054-7, Contr. 2, Mecosta Co., for State Hy. Dept., Lansing. Noted Oct. 27.

Michigan — Nov. 17, at office Village Clerk, Vassar, concrete paving 0.573 mi. MO79-20, Contr. 1, Tuscola Co., 20 to 36 ft. for State Hy. Dept., Lansing. E. R. Benkert, Port Huron, resident engr.

Kan., Hays—Nov. 23, Ellis Co. grading and bridging 15.713 mi. Project 59, 28 ft. C. J. Ionditsch, co. engr. Noted Nov. 3.

Kan., Kansas City—Nov. 14, by Wyndotte Co., concrete paving 0.551 mi. Route K-32, Federal Aid Project 321-C. Noted Oct. 13.

Kan., Lyndon—Nov. 19, by Osage Co., sand clay surfacing 8.608 mi. Project 164 A-D, and 8.895 mi. Project 165 A-C.

Kan., Ottawa—Nov. 23, by J. R. Finley, clk. Franklin Co., grading, etc. 6.795 mi. Project 143, Sect. A and B, 28 ft. E. F. Loveless, Court House, engr.

Kan., Sedan—Dec. 1 by Clerk Chautauqua Co., grading 4.495 mi. and concrete paving 0.505 mi. Federal Aid Project 384-A, 28 and 18 ft. Kansas Eng. Co., 601 Kansas St., Topeka, engrs. Noted Nov. 3.

Nebraska—Nov. 18, by R. L. Cochran, highway engr., State House, Lincoln, grading and sand graveling 5 mi. Lewellen-Belmar Rd., Project 249-D, Keith Co. $30,000; 3.7 mi. Lewellen-Belmar Rd., Project 249-C, Garden Co. $25,000, for State Hy. Dept.

South Dakota—Nov. 23, by State Hy. Comn., Pierre (**S.P. means State Project and F.A.P., Federal Aid Project**), grading, etc. 2.66 mi. F.A.P. 223 Roberts Co., 13.89 mi. F.A.P. 181-E Potter Co., 16.03 mi. F.A.P. 218-A Jackson Co., 16.08 mi. F.A.P. 219-B Walworth Co., 14.09 mi. F.A.P. 216-A Brown Co., 14.92 mi. S.P. 149 Douglas Co., 18.96 mi. S.P. 143 Sully Co., 18 mi. F.A.P. 229 Charles Mix Co., and 14 mi. F.A.P. 199-B Codington Co.; graveling, etc., 22,700 cu.yd. F.A.P. 215-A, 18,700 cu.yd. F.A.P. 215-B, and 21,000 cu.yd. F.A.P. 215-C Stanley Co., 6.65 mi. F.A.P. 215-D Haakon Co., 23,000 cu.yd. F.A.P. 196-B Aurora Co., 16,400 cu.yd. F.A.P. 95-D Faulk Co., 13,200 cu.yd. F.A.P. 181-A.B. and D Dewey and Potter Counties, 13,500 cu.yd. F.A.P. 191-B and 19,900 cu.yd. F.A.P. 191-F Clark Co., 15,700 cu.yd. F.A.P. 189-A Charles Mix. Co., 27,300 cu.yd. F.A.P. 189-C Brule Co., and 18,690 cu.yd. S.P. 133, Minnehaha and Moody Counties; rein.-con. paving, etc. 43,397 sq.yd. F.A.P. 153, Union Co.; also constructing concrete and steel bridges on S.P. 153 Jones Co., S.P. 149 Douglas Co., S.P. 143 Sully Co., and F.A.P. 219-B Walworth Co. O. N. Hetle, highway engr.

Arkansas—Nov. 15, by State Hy. Dept., Little Rock, grading, etc. 6 mi. State Highway 105, Sect. 1. C. S. Christian, State Hy. Dept., engr.

California—Nov. 21, by State Hy. Comn., Sacramento, grading and gravel or stone surfacing, etc. 3.5 mi. roadway between southerly boundary and Richardson Creek, Del Norte Co. R. M. Morton, Strub Bldg., Sacramento, engr.

Calif., Los Angeles—Nov. 21, by Supervs. Los Angeles Co., concrete, oil and rock on disintegrated rock or cementaceous gravel paving, etc., 2.5 mi. portion South St. G. W. Jones, Hall of Records, engr.,

Calif., San Diego—Nov. 21, by Common Council, grading, curbing and 6 in. asphaltic concrete paving, etc., 101,262 sq.ft. Works Ave., etc. H. W. Jorgensen, city engr. Noted Oct. 12.

Contracts Awarded

New York—Westchester Co. Park Comn., 72 West Pondfield Rd., Bronxville, grading and rein.-con. paving Hutchinson River Parkway, Mamaroneck Ave., in White Plains and Harrison, to J. H.Gordon, 191 North Lake Ave., Albany, $183,077. Noted Sept. 22.

N. Y., Brooklyn — J. J. Byrne, pres. Brooklyn Boro, Boro Hall, to B. Turecamo, 8706 Bay 12th St., grading and sheet asphalt paving East 9th St. $14,663, West 11th St. $17,344, 12th Ave. $3,789, 72nd St. $9,845, 72nd St. $7,955, 77th St. $8,920, 77th St. $18,540, and 85th St. $12,785, to Uvalde Asphalt Paving Co., 1 Bway., New York City, East 37th St. $7,823, Elton St. $8,844, Troy Ave. $10,944, Avenue D $3,581, Maple St. $8,727, and Sterling St. $14,410, to D. J. McCoy Asphalt Co., Avenue U and East 57th St., 15th Ave., $5,933, and 23rd Ave. $3,753; and to Brooklyn Alcatraz Asphalt Co., 407 Hamilton Ave., 15th St. $31,367; to W. McHale, 1250 Jefferson Ave., bituminous macadam paving West 3rd St., $9,605; to R. Lynster, 454 East 49th St., grading East 46th St. $2,365, to V. Aqino, East 95th St. $600, also to F. DeVito, 158 17th St., West 12th St. $4,379, and 90th St. $1,500. Grand total $208,672. Noted Oct. 20.

N. Y., Irondequoit (mail Rochester)—Town Rd., Ridge and Culver Rds., H. C. Rayton, clk., grading, sidewalks and bituminous penetration paving Seymour Rd., to T. W. Heberle, 2502 Culvert Rd., $16,-055. Noted Sept. 22.

N. J., Newark—T. L. Raymond, dir. Dept. Pub. Affairs, City Hall, grading, ing, curbing and asphalt paving Commerce St. and asphalt resurfacing Seymour Ave., to Standard Bitulithic Co., foot Brill St., $13,643 and $18,126 respectively. Noted Oct. 13.

Pa., Phila.—Dept. Pub. Wks., Bureau of Highways, asphalt repaving 33rd St., to Union Paving Co., 123 South 21st St., $50,-647; redressed granite block repaving east approach to Grays Ferry Bridge, and improving Meadow Brook (country) Rd., to United Paving Co., Widener Bldg., $12,-134 and $9,866 respectively, Bleigh, Evergreen and Lare Rds., to M. Y. Neely, Bustleton St. $3,246 and $6,131 respectively, and Churchview Rd., to J. Salvucci, 512 North 65th St., $17,387. Grand total $99,411.

O., Cleveland — Cuyahoga Co., curbing, guttering and concrete paving, etc. 27,300 sq.yd. Cleveland Kent Rd., to Homberger & Wager, Columbus Ave., Sandusky, $165,250.

O., Medina—Medina Co., slag and limestone paving, etc., River Styx, Hinkley Granger Rds., etc., to L. Dehmer, Tiffin, $25,000. Engrs. est. $25,000.

Ind., Peru—City Clerk, two course rein-con. paving West 5th St., to C. J. Burke, Peru, $39,862.

Mich., Detroit—One course 6 in. concrete paving approximately 20,135 sq.yd. Alleys 3423 to 3436 (inclusive) with 2 x 6 in. retaining plank side, to Lennane & Mcilvenna, 7777 West Chicago Blvd., to Otis Cement Constr. Co., Hammond Bldg., and to Bishop & Weir, East Jefferson Ave. Engrs. est. $65,000.

Ill., East St. Louis—For 8 in. concrete paving, etc., 3,060 sq.yd. 58th St., to L. Rich Constr. Co., 2038 St. Clair Ave. $14,-025, and 1,020 sq.yd. Belleview St., to Moore Bros. Constr. Co., 2000 St. Clair Ave. $4,893; also soon takes bids asphalt paving 11,290 sq.yd. and concrete paving 3,200 sq.yd. 5th St. $64,200, and widening portion 5th St. $30,000.

Ia., Northwood—Worth Co., grading and paving 8.13 mi. U. S. Highway 65, to Metz Constr. Co., Springfield, Neb. $193,840.

Ia., Osceola—Clarke Co., 6 in. concrete paving, etc. 12.15 mi. U. S. Highway 65, to Union Constr. Co., 200 New York St., Des Moines, $320,457.

Mo., Kansas City — Concrete paving Brookside to 51st Sts., to Brosnahan Bros., 3233 Karns Blvd., $35,893.

Arkansas—State Hy. Comn., Little Rock, constructing 14 mi. Fair Oak-Wynne Rd.,

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Hidden Values

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INDUSTRIAL BROWNHOIST

Streets and Roads (Continued)

Cross Co., to E. E. Davis, 2,300 North Bway., Oklahoma City, Okla. $76,877, 8 mi. Wheatley Rd. St. Francis Co., to Mississippi-Arkansas Constr. Co. $72,053, 8.4 mi. Pine Bluff South Rd., Jefferson Co., to J. Seltz, McGehee $42,604, 8 mi. Benton-Grant Co. line Rd., Saline Co., to Bradley & Tolbert, Sheridan $54,083, 12.5 mi. Warren-Banks Rd., Bradley Co., to Brown & Ross, Arkadelphia $101,615, 2 mi. Pansy-East Rd., Cleveland Co., to R. J. Lynch, Little Rock $18,523, 6 mi. Warren-Hermitage Rd., Bradley Co., to J. A. Perdue & Co., Pine Bluff $9,302, 8 mi. Dardanelle South Rd., and 6.5 mi. Dardenelle South Rd., Yell Co., to J. N. George & Co., Centerville, $34,806 and $58,637 respectively, 11 mi. Harrison-Omaha Rd. Boone Co., to M. E. Gillioz, Monette, Mo. $72,925, 11.5 mi. Corning-Pocahontas Rd., Clay Co., to A. A. Davis & Co. $37,702, and 6 mi. Malvern-Grant Co. line Rd. also grading, etc. 10.7 mi. Malvern-Donaldson Rd., Hot Springs Co., to Stanley, Fowler & Kennedy, Malvern $29,144 and $53,268 respectively, 11 mi. Nashville-Lockesburg Rd., Howard Co., to Reynolds & Sutton, Tyler, Tex. $79,-030, 8 mi. Kirby-Murfreesboro Rd., Pike Co., to W. P. McGeorge & Co., Pine Bluff $125,744, 8 mi. Mountainburg-Pine Springs Rd., Highway 71, Sect. 15, Crawford Co., to Hinson Bros., 1004 South Cherokee St., Muskogee, Okla. $93,089; and gravel surfacing 8 mi. Arkadelphia-Amity Rd., Highway 8, Sect. 5, Clark Co., to C. H. Atkinson, Chillicothe, Mo. $26,148. Grand total $985,550.

Tex., Galveston—Galveston Co., grading and bridging 25 mi. Bolivar and High Island Rd., to H. Mecham-R. C. Bouse & E. W. Boyt, Galveston, $39,241.

Tex., Houston—Harris Co., grading, etc. 9.28 mi. Market St. Rd. from San Jacinto River to Goose Creek, to C. K. Horton, 2200 Clay St., $127,433. Engrs. est. $140,000. Noted Sept. 29.

Okla., El Reno—Canadian Co., grading, etc. 7.3 mi. County Road 8-A, 18 ft., to R. Larson, El Reno, $22,254, engrs. est. $25,000; 5.06 mi. County Road 5-A, also 6.1 mi. Mustave-Yukon Rd., 30 ft., to Green & Boots Co., 519 West Main St., $24,917 and $26,715 respectively, engrs. ests. $28,000 and $30,000 respectively. Grand total $73,886. Noted Oct. 20.

Nevada—State Hy. Comn., Carson City, grading and crushed graveling, etc. 24,800 cu.yd. Federal Aid Project 80-B, Lyon and Mineral Counties, to Nevada Rock & Sand Co., Reno, $88,364. Noted Oct. 20.

Washington—State Hy. Comn., Olympia, grading, etc., 86,000 cu.yd. State Rd. 5, Yakima Co., to Wilburn & Stone, Inc., 1100 Fairview Ave., Seattle $81,153, and 123,-000 cu.yd. State Rd. 2, Douglas Co., to Triangle Constr. Co., 1220 Ide Ave., Spokane $69,803; also crushed graveling, etc. 7,300 cu.yd. State Rd. 14, Mason Co., to Edland & Burger, 302 South 30th St., Tacoma $8,748, and 8,300 cu.yd. State Rd. 9, Clallam Co., to Edland, White & Edland, 302 South 30th St., Tacoma $10,585. Grand total $170,288. Noted Oct. 6.

Oregon—State Hy. Comn., Salem, to Joslin & McAllister, Spokane, Wash., broken stone resurfacing, etc. Old Oregon Trail, Umatilla Co. $29,146, west unit Old Oregon Trail, Umatilla, Morrow and Gillam Counties $32,685, 14.52 mi. Baker Highway, Baker Co. $66,810, and middle unit Old Oregon Trail, Morrow Co. $25,207; also to Simson & Hefty, Portland, Klamath Falls Highway, Klamath Co., $54,115; and to Moon Bros., Portland, 3.49 mi. Good Creek Sect. Williamette Highway, Lane Co., $108,-890. Grand total $316,853.

Buildings—Commercial

Proposed Work

Me., Portland—APARTMENT HOTEL—Owner, c/o O. G. Emerson, archt., 141 Sawyer St., having sketches made 5 story and basement, 150 x 170 ft., brick apartment hotel. $400,000.

N. H., Keene—HOTEL—M. E. Georges, c/o Haynes & Mason, archts., 280 Main St., Fitchburg, Mass., having plans prepared brick and steel addition to Hotel Ellis. $150,000 or more.

Conn., Bristol — CLUB — Bristol Boys Club, Old Town Hall, Main St., F. G. Hughes, chn., having plans prepared by C. S. Palmer, 114 Whitney Ave., New Haven, brick and steel, Laurel St. $150,000. Noted Sept. 22.

Conn., Hartford—APARTMENT—E. M. Bucknam, 50 Pennsylvania Dr., West Hartford, having plans prepared by G H. Matthews, 48 Campfield Ave., 3 story, 57 x 148 ft., brick and steel, Collins St. $150,000.

N. Y., New York—APARTMENT—J. M. Felson, archt., 250 West 57th St., takes bids about Jan. 1, 15 story and basement on 100 x 140 ft. site, 40 West 77th St., for Forty West 77th Street Corp. $1,400,000.

N. Y., Brooklyn—THEATRE—Stadium of Canarsie, Inc., 26 Court St., having plans prepared by A. Weiser, 510 Madison Ave., New York City, theatre and ball room, Rockaway Parkway north of Glenwood Rd. $400,000.

N. Y., New York — BANK — Bankers Trust Co., 16 Wall St., having plans prepared by C. E. Birge, 29 West 34th St., bank. $2,000,000.

N. Y., New York—OFFICE—A. E. Lefcourt, 1351 Bway., having preliminary plans prepared 42 story, 104 x 184 ft., office building, 5th Ave. and 43rd St. $11,-000,000. Engineer and architect not selected.

N. Y., New York—OFFICE and LOFT—L. I. Brooks, archt., 65 Madison Ave., takes bids about Jan. 30, 30 story, brick and steel, 6th Ave., 25th and 26th Sts., for Owner's Evolution Co., c/o J. A. Fischer, 690 6th Ave. $6,000,000.

N. Y., Peekskill—THEATRE—Pekman Theatre Corp., c/o Gottesman Enterprises, 1540 Bway., New York City, takes bids about Nov. 20, 2 story, theatre, Park St., here. $500,000. A. W. Johnson, 285 Madison Ave., archt., New York City. Noted Oct. 6.

N. J., Bergenfield — CLUB HOUSE — Knights of Columbus, St. Johns Council, Washington Ave., having sketches made by F. J. Ricker, 685 Hudson Ave., West New York, 3 story and basement, brick and steel, plain foundation. $150,000.

N. J., East Orange—BANK and OFFICE—East Orange Trust Co., 338 Main St., having sketches made by Holmes & Winslow, 153 East 38th St., New York City, brick and steel, North Arlington Ave. and Arlington Plaza, here. $150,000.

N. J., Elizabeth—APARTMENT and STORE—S. Binder, 120 Broad St., will not construct 3 story and basement, brick and steel, plain foundation, 701-11 Grove St. $150,000. Project abandoned. Noted July 21.

N. J., Englewood — APARTMENT — J. English, Palisade Ave., having plans prepared by C. G. Elcholz, Jr., 960 Bergenline Ave., Union City, 5 story and basement, 50 x 130 ft., brick and steel, plain foundation, Hudson Ave. $190,000.

N. J., Mount Ephraim—THEATRE—T. Lazario, Mount Ephraim Ave., Camden, having plans prepared by Thalheimer & Weitz, 10 South 18th St., Phila., Pa., 1 and 2 story, rein.-con., brick and steel, plain foundation, here.

N. J., Newark—STORE and APARTMENT—Lindsley Holding Corp., % Myers, Bigelow & Shanley, archts., 24 Walnut St., having sketches 4 story and basement, brick and steel, plain foundation, Clinton Ave. $150,000.

N. J., Newark — THEATRE — Stanley-Fabian Co., 17 Academy St., will not construct 3 story and basement, brick and steel, Lyons Ave. and Clinton Pl. Project abandoned. W. E. Lehman, 946 Broad St., archt. Noted Aug. 4.

N. J., Passaic—APARTMENT—R. Pink c/o Preiskel & Skvarla, archts., 591 Main Ave., having plans prepared 4 story and basement, 110 x 115 ft., brick and steel, plain foundation, 395-403 Passaic Ave. $200,000.

N. J., Passaic — APARTMENT — Burg Bros., 171 Howard St., having plans prepared by Preiskel & Skvarla, 591 Main Ave., 4 story and basement, 80 x 125 ft., brick and steel, plain foundation, 98-104 Passaic Ave. $200,000.

N. J., Passaic—APARTMENT—Karpinsky & Leshinsky, 83 Quincy St., having plans prepared by Preiskel & Skvarla, 591 Main Ave., 4 story and basement, brick, 60 x 115 ft., brick and steel, plain foundation, 307 Gregory Ave. $150,000.

N. J., Passaic—APARTMENT—Passaic Securities Co., 631 Main Ave., having plans prepared by Preiskel & Skvarla, 591 Main Ave., 3 story and basement, 90 x 135 ft., brick and steel, plain foundation, 24-50 Summer St. $150,000.

N. J., Passaic—APARTMENT—L. Stein, 231 Lexington Ave., having new plans prepared by Preiskel & Skvarla, 591 Main Ave., 4 story and basement, 85 x 135 ft., brick and steel, plain foundation, 190-192 Lexington Ave. $225,000. Noted Oct. 13.

N. J., Passaic—CLUB HOUSE—I.O.O.F. c/o W. N. Gurtman, 105 Gregory Ave., having plans prepared by Preiskel & Skvarla, 591 Main St., 3 story and basement, brick and steel, plain foundation, Sherman St. and Lexington Ave. $150,000.

N. J., Plainfield — APARTMENT — S. Schwartz, 205 East Front St., will not construct 4 story and basement, 100 x 100 ft, brick and steel, plain foundation, West 7th St. and Irving Pl. $160,000. Project abandoned. A. F. Amodio, 45 Branford Pl., Newark, archt. Noted Sept. 15.

N. J., Shrewsbury—INSTITUTE—A. E. Fitkin, Allenhurst, and Ambassador Hotel, New York City, plans Raleigh Fitkin Memorial Institute, home for crippled children, on State Highway, here. $1,000,-000. Engineer and architect not selected.

N. J., Teaneck (mail West Englewood)—APARTMENT—G. M. Pollard, archt., 260 West 14th St., New York City, takes bids about Dec. 5, 4 or 6 story and basement, brick and steel, plain foundation, here, for G. Murphy, 15 James St., Englewood. $150,000.

N. J., Westfield — APARTMENT — J. Lautermann, c/o N. Welitoff, archt., 3010 Hudson Blvd., Jersey City, having plans prepared 3 story and basement, brick and steel, plain foundation, 629 East Broad St. $150,000.

Pa., Upper Darby (Phila. P. O.)—COMMERCIAL—Tunis & Baker, archts., 1600 Arch St., Phila., soon lets contract 4 story and basement, 79 x 180 ft. rein.-con. brick and steel, plain foundation, West Chester Pike and Kent Rd., here, for A. S. Tourison, Jr., 7014 Boyer St., Phila.

Pa., Upper Darby (Phila. P. O.)—THEATRE—W. H. Lee, archt., Schoff Bldg., Phila., soon lets contract 2 story and basement, 144 x 159 ft., rein.-con., brick and steel plain foundation, here, for Green & Willig, Heymann Bldg., Phila.

Pa., Williamsport—Y. M. C. A., 30 Central Ave., having plans prepared by Laurie & Green, Odd Fellows Bldg., Harrisburg, 4 story and basement, 65 x 252 ft., rein.-con., brick and steel, plain foundation, here.

Md., Baltimore — APARTMENT — Gillet Realty Co., c/o Wyatt & Nolting, archts., Keyser Bldg., having plans prepared 12 story and basement, irregular shaped, rein.-con., brick and steel, plain foundation, 3908 North Charles St. $1,200,000.

La., New Orleans — HOTEL — Louise Realty Co. having plans prepared by Weiss & Dreyfous, Maison Blanche Bldg., 9 story hotel, Rampart and St. Louis Sts. $1,-000,000.

Ill., Chicago — APARTMENT, OFFICE and STORE — Holabird & Roche, archts., 104 South Michigan Ave., soon take bids 6 story and basement, 100 x 200 ft., rein.-con., brick and stone, Michigan Ave. and Chestnut St., for Syndicate, c/o Frankenstein & Co., 110 South Dearborn St. Noted Oct. 27.

Ill., Chicago — BANK and OFFICE — Foreman Natl. Bank Co., 30 North La Salle St., had sketches made by Graham, Anderson, Probst & White, 80 East Jackson Blvd., bank and office building, La Salle and Washington Sts.

Ill., Chicago—CLUB—Cycraft Club, 1180 East 63rd St., having preliminary sketches made by Thielbar & Fugard, archts., 219 East Superior St., 17 story and basement, rein.-con, brick and stone, on 144 x 263 ft. site, 70th Pl. and South Shore Dr.

Ill., Chicago—GARAGE and STORE—G. E. Holmes, Lake St. and Wabash Ave., having plans prepared by D. D. Meredith, 222 West Adams St., 10 story and basement, 80 x 160 ft., L shaped, rein.-con., brick and stone, West Lake and Dearborn Sts. $2,000,000. Noted Feb. 3.

Ill., Downers Grove—THEATRE, OFFICE and STORE—E. T. Behrens, archt., 605 North Michigan Ave., Chicago, prepared plans and soon take bids 2 story and basement, 94 x 198 ft., brick and stone, here, for Dupage Building Corp. $150,000.

Ill., Evanston — Y. M. C. A., C. N. Stevens, pres. Bd. Directors, having plans prepared by C. H. Wallace, 435 North Michigan Ave., Chicago, expanding Y. M. C. A. buildings, 7 story central branch, incl. 60 x 90 ft. and 45 x 60 ft. gymnasiums, 25 x 75 ft. swimming pool, 6 handball courts, club rooms, cafeteria, dormitory, etc. Maple Ave. and Grove St., $1,086,000; also further development Emerson Street Branch, $100,-000, etc.

Mo., St. Louis — APARTMENT — N. Frank, Arcade Bldg., plans 20 story and basement, 109 x 338 ft., rein.-con., brick, stone and steel, Chestnut St. between 19th and 20th Sts. $2,000,000.

Tex., San Antonio — GARAGES—Motoramp Garages, Inc., c/o O. A. McCracken, 215 North Alamo St. soon takes bids, 4 story garage, $250,000 and 5 story garage $350,000, both rein-con., brick and hollow tile, plain foundations A. B. and R. M. Ayres, 626 Bedell Bldg., San Antonio, archts.

Tex., San Antonio—HOTEL—A. Urrutia, et al, 205 North Laredo St., plans large tourist hotel near B'way Ave. $1,500,000.

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Buildings—Commercial (Continued)

Calif., Eureka—HOSPITAL—F. M. Kay, clk. Humboldt Co., having revised plans prepared by F. T. Georgeson, hospital. $150,000 or more. Former contract rescinded. Noted Sept. 29.

Calif., Santa Barbara—HOTEL—Santa Barbara Inn, c/o A. S. Heineman, archt., 2608 South Figueroa St., having plans prepared hotel. $225,000.

Calif., San Francisco — RESTAURANT and STORE—Corporation being organized having preliminary plans prepared by A. H. Larsen, 447 Sutter St., 1 story, rein.-con., Great Highway. $150,000.

Calif., Santa Barbara—STORE and OFFICE — A. R. Domory, c/o Edwards, Plunkett & Howell, archts., having plans prepared 2 story and basement, 210 x 290 ft., brick, Figueroa St. $150,000.

Calif., Santa Monica—BANK and OFFICE—J. D. Rishell, 221 3rd St., having preliminary plans prepared by M. E. Durfee, Commercial Exchange Bldg., Los Angeles, 8 story and basement, 50 x 150 ft., steel, brick and rein.-con., 3rd St. and Santa Monica Blvd. To exceed $150,000.

Calif., Vallejo—HOTEL—H. Hendlery, et al., having preliminary plans prepared by Slocombe & Tuttle, 337 17th St., Oakland, 2 story and basement, Capitol and Sonoma Sts. $150,000.

Bids Desired

Mass., Boston — STORE and OFFICE — E. T. P. Graham, archt., 171 Newbury St., taking bids altering and reconstructing 4 story and basement, brick and stone, plain foundation, 165 Newbury St., for J. Stanton, 520 Beacon St. $150,000 or more.

Mass., Scituate—BANK—Rockland Trust Co., H. T. Fogg, 286 Main St., Rockland, taking bids 1 story and basement, rein.-con., brick and steel, plain foundation, Bank and Front St., here. $150,000. J. W. Beal Sons Co., 185 Devonshire St., Boston, archts.

Mass., Waltham—HOSPITAL—Nov. 25, by Dept. Mental Diseases, W. A. Merrill, bus. agt., Boston, five 3 story and basement, brick, steel and terra cotta buildings, plain foundations, Trapelo Rd., at junction of town lines, Waltham, Lexington and Belmont. $4,000,000.

N. Y., Brooklyn — APARTMENT — See "Cnotracts Awarded."

N. Y., New York — APARTMENT — See "Contracts Awarded."

N. J., Bloomfield—APARTMENT—See "Contracts Awarded."

N. J., Newark—OFFICE—W. Lehman, archt., 972 Broad St., taking bids general contract 4 story and basement, 35 x 150 ft., brick and steel, plain foundation, 56 Park Pl., for Feist & Feist, 738 Broad St. $150,000.

N. J., Palisades Park—APARTMENT—See "Contracts Awarded."

N. J., Ridgewood—APARTMENT — See "Contracts Awarded."

N. J., Roselle (Ind. br. Elizabeth)—APARTMENT—J. Walker, 153 Eas t9th Ave., taking bids 5 story and basement, 75 x 100 ft., brick and steel, plain foundation. $150,000. W. L. Finne, 91 Broad St., Elizabeth, archt.

La., New Orleans—STORE—Nov. 14, by F. H. McInerney, Roosevelt Hotel, 2 story, 96 x 128 ft. store, Burgundy St., and altering 33 x 127 ft. store, 1005-1007 Canal St., stucco, brick and hollow tile, for McCrory Stores Corp., 1107 Bway., New York City. $200,000. B. S. Merill, Title Guarantee Bldg., archt.

Ill., Chicago—APARTMENT and STORE—Leichenko & Esser, archt., 38 South Dearborn St., taking bids 3 story and basement, 102 x 176 ft., rein.-con., brick and stone, Kedzie and Northan Aves., for Humboldt Plaza Building Corp., c/o architects. Archts. est. $250,000.

Ill., Chicago—APARTMENT and STORE—See "Contracts Awarded."

Ill., Chicago—APARTMENT and STORE—J. J. Jensen, archt., 1105 Lawrence Ave., taking bids 3 story and basement, 100 x 124 ft., brick and white terra cotta, Devon and Glenwood Aves., for C. Wishnack, 6300 Kenmore Ave. $300,000.

Mo., Bridgeton — ADMINISTRATION — See "Unclassified."

Mo., St. Louis — APARTMENT — See "Contracts Awarded."

Calif., Redondo Beach — THEATRE, STORE and OFFICE—See "Contracts Awarded."

Ont., Toronto — APARTMENT — M. J. Ingram, 989 Kingston Rd., taking bids 6 story and basement, 75 x 235 ft., rein.-con., brick and steel, plain foundation, Jarvis St. near Gerrard St. $500,000. N. A. Armstrong & Co., 7 King St. E., archts.

Ont., Toronto — APARTMENT — See "Contracts Awarded."

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Contracts Awarded

Mass., Framingham — OFFICE — West Boston Gas Co., 49 Howard St., 3 story, 75 x 145 ft., brick, steel and limestone, Union and Pearl Sts., to D. E. McIntire, Inc., 74 Broad St., Boston. Archts. est. $150,000. Noted Oct. 6.

Mass., Framingham — OFFICE — West Boston Gas Co., 49 Howard St., 2 story and basement, 80 x 220 ft., brick and stone, plain foundation, Howard St., to D. E. McIntire, Inc., 74 Broad St., Providence, R. I. Archts. est. $150,000.

Conn., Hartford — APARTMENT — S. I. Ward & Co., 750 Main St., 3 story, 50 x 170 ft., brick and steel, Evergreen St., to L. Schoolnick, 44 Hebron St. Archts. est. $160,000. Noted Oct. 27.

Conn., Stamford — APARTMENT — V. Vacca, 301 West Ave., will build 2 story, 135 x 140 ft., brick, steel and artificial stone, Quintard Terrace. $200,000. Vacca & Zilluca, c/o owner, archts.

N. Y., Brooklyn — APARTMENT — H. Shurgin, 715 Avenue S, will build 6 story and basement, 87 x 120 ft., brick, plain foundation, West 9th St. and Quentin Rd. $200,000. Work will be done by separate contracts. M. Courtland, 366 5th Ave., New York City, archt. Noted Sept. 29.

N. Y., Corning — HOTEL — Thomas, Martin & Kirkpatrick, archts., 210 South 16th St., Phila., Pa., 5 story and basement, 70 x 106 ft., rein.-con., brick and steel, plain foundation, here, to George A. Fuller Co., 949 Bway., New York City, for Corning Hotel Corp. $359,000. Noted Oct. 13.

N. Y., New York—APARTMENT—Hildron Realty Corp., 1026 East 179th St., will build 6 story, 85 x 175 ft., brick, 514 West 211th St. $200,000. Work will be done by separate contracts. G. Swiller, 4215 3rd Ave., archt.

N. Y., New York — APARTMENT HOTEL—One Park Avenue Corp., 1 Park Ave., will build 15 story, 80 x 89 ft., brick and steel, plain foundation, 116-122 East 39th St. $500,000. Work will be done by separate contracts. Farrar & Watmough, 1 Park Ave., archts. Noted July 28.

N. Y., New York — APARTMENT — Aginsky, 20 Featherbed Lane, 6 story and basement, 87 x 175 ft. apartment, Knox Pl. and Gunhill Rd. $350,000. Work will be done by separate contracts. H. I. Feldman, 415 Lexington Ave., archt.

N. Y., New York—APARTMENT—Preferred Building Corp., c/o C. Schaefer, Jr., archt., 334 East 149th St., will build 6 story and basement apartment, Mount Eden Ave. and Grand Concourse. $275,000. Work will be done by separate contracts.

N. Y., New York — APARTMENT — Viapitia Realty Co., 655 East Fordham Rd., will build 6 story, 115 x 149 ft., brick and steel, plain foundation, Tiebout Ave. near 184th St. $310,000. Work will be done by separate contracts. Moore & Landsiedel, 3rd Ave. and 148th St., archts.

N. Y., New York—APARTMENT—Preferred Building Corp., c/o C. Schaefer, Jr., archt., 334 East 149th St., will build 6 story and basement apartment, Sheridan and Mt. Eden Aves. $275,000. Work will be done by separate contracts.

N. Y., New York—BANK—Natl. Bank of Yorkville, 85th St. and Lexington Ave., altering 1 story and basement bank, 205 East 86th St., masonry, to H. Westerman, 391 East 149th St.; and iron, to A. Happel, 408 East 93rd St. Archts. est. $150,000.

N. Y., New York — OFFICE — Wall Hanover Street Realty Co., 35 story and basement, brick and steel, Wall, Beaver and Hanover Sts., to Starrett Bros., 101 Park Ave. Archts. est. $3,000,000.

N. Y., New York — OFFICE — John D. Rockfeller, Jr., 48 x 122 ft. office building 5th Ave. and 54th St., to Marc Eidlitz & Sons, 41 East 42nd St. Archts. est. $500,000.

N. Y., Rockville Center — HOSPITAL — Hart & Shape, archts., 247 Park Ave., New York City, general contract incl. electrical work 3 story, brick and steel, plain foundation, here, for Rockville Center Hospital, to J. H. Eisele Co., 18 East 41st St., New York City, $150,000; plumbing and heating, to Metcalf & Co., 287 Observer St., $40,000. Noted Oct. 13.

N. Y., Woodside (Ind. br. Flushing)—APARTMENT—Lerose Constr. Co., 570 7th Ave., New York City, will build 6 story and basement, 100 x 150 ft., brick, plain foundation, Foster Ave. and Packard St., here. $250,000. Work will be done by separate contracts. M. J. Harrison, 63 Park Row, New York City, archt. Noted Sept. 29.

N. J., Bloomfield—APARTMENT—Paramount Realty & Constr. Co., 60 Branford Pl., Newark, will build 4 story and basement, 40 x 150 ft., brick and steel, plain foundation, Myrtle Ave., Orange, and Dodd Sts., here. $150,000. Work will be done by separate contracts. R. Kruger, 60 Branford Pl., Newark, archt. Noted Sept. 22.

N. J., Deal — APARTMENT — F. [illegible], Avon, general contract 3 story and basement, 100 x 125 ft., brick, steel and stucco, plain foundation, East Ocean Ave., to James Sutherland, 133 South 15th St., Newark. Archts. est. $180,000. Noted May 19.

N. J., Palisades Park—APARTMENT—Builders Supply Co., Broad Ave. and East Palisade Blvd., will build 5 story and basement, brick and steel, plain foundation, Broad Ave. and East Palisade Blvd. $200,000. Work will be done by separate contracts. H. Lucht, 432 Palisade Ave., Cliffside, archt.

N. J., Ridgewood — APARTMENT—Franklin Court of Ridgewood, Inc. will build 4 story and basement, 120 x 140 ft., brick and steel, plain foundation, North Oak St. and Franklin Ave. $350,000. Work will be done by separate contracts.

N. J., Rutherford—OFFICE—Pub. Serv Production Co., archts., 80 Park Pl., Newark, general contract 2 story and basement, 60 x 140 ft., brick and steel, plain foundation, here, to Kirkpatrick Constr. Co., 185 Market St., Newark, for Pub. Serv Electric & Gas Co., 80 Park Pl., Newark Archts. est. $150,000. Noted Oct. 13.

Pa., Bryn Mawr — BANK — Bryn Mawr Trust Co., 3 story and basement, 84 x 105 ft., and 30 x 64 ft., rein.-con., brick and stone addition, plain foundation, to E. L. Hoover & Son, 1023 Cherry St., Phila. Noted Oct. 6.

Pa., Elizabethtown — HOSPITAL—Dept. Pub. Health, T. B. Appel, secy., Capitol, Harrisburg, general contract Unit 3, Crippled Children's Hospital, 2 wings each 2 story and basement, 51 x 172 ft., rein.-con. and brick, plain foundation, here, to F. K. Worley Co., Wesley Bldg., Phila., $182,126. Noted Oct. 20.

W. Va., Charleston — HOTEL — Capitol Hotel Site Co., for Daniel Boone Hotel, 12 story and basement, 250 room, rein.-con., brick, steel, stone and terra cotta, Lee and Dickinson Sts., to William H. Smith Co., 110 North 7th St., St. Louis, Mo. Archts. est. $750,000.

Md., Baltimore — OFFICE — Wyatt & Nolting, archts., Keyser Bldg., 5 story top addition and 12 story, 40 x 42 ft., brick and limestone addition, to J. H. Miller, Inc., Eutaw and Franklin Sts., for U. S. Fidelity & Guaranty Co., Calvert and Redwood Sts. $450,000. Noted Oct. 20.

Ga., Atlanta—BANK and OFFICE—A. Candler, Ponce de Leon Ave., 3 story, 35,000 sq.ft., floor space, brick and steel, plain foundation, to Carr Constr. Co., Candler Bldg., $200,000.

Ind., Elkhart — APARTMENT — N. J. Hill Co., 230 West Jackson St., general contract 3 story and basement, rein.-con., brick, steel and stone, to D. Gorhom, 1605 Morton Ave. Archts. est. $160,000.

Ill., Chicago — APARTMENT — H. K. Holsman, archt., 307 North Michigan Ave., masonry and carpentry contract 7 story, 34 x 90 ft., rein.-con., brick and stone, 56th St. and Kenwood Ave., for Kenwood-Fifty-Sixth St. Building Corp., c/o architect, to R. Sollitt & Sons 228 North State St.; plumbing, to P. Nacey, 927 South State St.; and heating, to P. T. Maloney, 2231 East 67th St.. Archts. est. $300,000. Noted Aug. 11.

Ill., Chicago — APARTMENT — D. S. Klafter, archt., 64 West Randolph St., general contract 17 story and basement, 170 x 288 ft., Sheridan Rd. and Aldine Ave., to Reliance Co., 11 South La Salle St., for Trinity-Two-Seventy Sheridan Road Building Corp. Archts. est. $2,000,000.

Ill., Chicago — APARTMENT HOTEL — J. H. Klafter, archt., 127 North Dearborn St., masonry, carpentry and concrete work 4 story, 75 x 125 ft., rein.-con., brick and terra cotta, 1049-53 Oakdale Ave., to J. Busa & Sons, 4716 North Tallman Ave.; plumbing, to Handler Plumbing Co., 373 Blue I. Ave., for Syndicate, c/o architect. Noted May 12.

Ill., Chicago—APARTMENT and STORE—A. Eisenstein, 105 West Monroe St., masonry and carpentry contract 3 story and basement, 111 x 140 ft., Madison and Mayfield Sts., to J. Busa & Sons, 4716 North Tallman Ave.; terra cotta, to Amer. Terra Cotta Co., 1701 Prairie Ave.; plumbing, to H. P. Reger & Co., 106 North La Salle St.; and iron work, to Reuter Bros., 5814 South Wood St. Archts. est. $300,000. Noted Sept. 1.

Ill., Chicago—APARTMENT and STORE—Wallach Bros., 134 North La Salle St., will build 3 story and basement, 125 x 125 ft., brick and stone, Lawrence and Harding Sts. $250,000. Work will be done by separate contracts. Halperin & Brown, 19 South La Salle St., archts.

Ill., Chicago—BANK, OFFICE, STORE and APARTMENT—Cramer & Foot, 65

Buildings—Commercial (Continued)

East 79th St., masonry contract 3 story and basement, 125 x 175 ft., brick and stone, 79th and State Sts., to Erick-Christianson Co., 6437 South Park Ave. Archts. est. $750,000. Noted Oct. 13.

Ill., Chicago—HOTEL, STORE and OFFICE—B. F. Lindheimer, 77 West Washington St., general contract, 10 story, on 275 x 275 ft. site, 63rd St. and Maryland Ave., to H. D. Moreland & Co., 3701 Sheffield Ave. Noted June 23.

Ill., Chicago — WAREHOUSE — Underwriters Salvage Co., 771 West Jackson Blvd., masonry and carpentry contract 6 story, 123 x 125 ft., face brick, 215-227 Laflin St., to J. Shedden Co., 106 North La Salle St. Archts. est. $300,000.

Mo., St. Louis—APARTMENT—Duncan & Garrison, 1105 Chestnut St., will build 4 story and basement, 104 x 155 ft., rein.-con., brick and terra cotta, Sarah St. and Enright Ave. $300,000. M. D. Garrison, 5830 Columbia Ave., archt. Work will be done by separate contracts.

Mo., St. Louis — APARTMENT — Versailles Building Co., c/o Willson & Koontz Realty Co., 18 North 8th St., will build 10 story and basement, 45 apartment, rein.-con., brick and terra cotta, Skinker and Rosebury Aves. $1,200,000. Work will be done by separate contracts under supervision E. Wagner of Willson & Koontz Realty Co., 18 North 8th St.

Tex., Houston — MAUSOLEUM — J. F. Eubank, 1317 Peden Ave., c/o Forest Park Cemetery Assn., marble and granite mausoleum, in Forest Park Cemetery, to Community Mausoleum Co., 713 Epperson Bldg., Houston, $500,000.

Tex., Marshall — HOSPITAL — Texas & Pacific Ry. Co., E. F. Mitchell, ch. engr., Dallas, general contract 2 story, 40 x 186 ft., rein.-con., brick and steel, here, to L. H. Lacy Co., 2632 Swiss Ave., Dallas, $125,665. Noted Oct. 27.

Tex., Port Arthur—MASONIC TEMPLE—Cosmopolitan Lodge 872 A. F. and A. M., c/o C. Stevenson, chn. building comn., general contract 3 story and roof garden, 100 ft. frontage, rein.-con., brick and stone, Lake Shore and Lake Charles Ave., to Hickey & Harrington, 819 Petroleum Bldg., Houston, $124,717. Noted Sept. 22.

Tex., San Angelo—COURTHOUSE—Tom Green Co., general contract 3 story and basement, 66 x 193 ft., rein.-con., brick, steel, and Indiana limestone, to P. O. B. Montgomery, 808½ Commerce St., Dallas, $239,700. Noted June 30.

Okla., Tulsa—GARAGE—S. J. Caudill, Atlas Life Bldg., 6 story and basement, 50 x 140 ft., rein.-con. and brick, plain foundation, Boulder St., to R. M. Gillilan, 1107 South Columbia St., $200,000.

Calif., Los Angeles—BANK and OFFICE—Pacific Southwest Realty Co., 565 South Spring St., 6 story, 72 x 110 ft., with 190 ft. tower, Hollywood Blvd., to Meyer & Holler, Wright-Callender Bldg., $475,000.

Calif., Los Angeles—THEATRE, STORE and APARTMENT—N. O. Harmon, 2 story and part basement, brick, Dayton and Cypress Aves., to S. O'Neil Co., Rives-Strong Bldg., approximately $155,000.

Calif., Pasadena — THEATRE—A. Pantages, 913 Pantages Theatre Bldg., Los Angeles, approximately 4 story, rein.-con. theatre, to P. A. Palmer, Pasadena, $500,000. Noted Apr. 7.

Calif., Redondo Beach — THEATRE, STORE and OFFICE—Venice Impvt. Co., c/o J. P. Perrine, Lincoln Bldg., Los Angeles, will build 2 story and basement, rein.-con. and steel theatre, 2,000 seating capacity, by day labor and sub-contracts. $250,000.

Calif Woodland—HOTEL—Weeks Investment Co. 369 Pine St., San Francisco, 4 story and basement, concrete, Main and College Sts., to C. Nilsson, 666 Mission St., San Francisco, $235,000. Noted Aug. 4.

Ont., Toronto — APARTMENT — J. E. Hoare, Cheritan and Duplex Aves., will build 3 story and basement, 50 x 100 ft., rein.-con., brick and steel, plain foundation, Poplar Plains Crescent and Avenue Rd., by day labor. $150,000. Private plans.

Buildings—Industrial

Proposed Work

R. I., Bristol—PLANT—Narragansett Electric Lighting Co., Turks Head Bldg., Providence, W. C. Bell, mgr., plans power plant, Main Rd. and Gooding Ave. To exceed $40,000. Engineer and architect not selected.

Conn., Stamford—CHEMICAL PLANT—Richards & Co., Inc., Ludlow St., plans rebuilding chemical plant, destroyed by fire. to exceed $40,000.

N. J., Hoboken — FUR RENOVATING FACTORY—J. M. Ryan, 1414 Adams St., having plans prepared by P. A. Vivarttas 110 48th St., Union City, 3 story and basement, 55 x 100 ft., rein-con., brick and steel, plain foundation. $40,000.

N. J., Newark—SHOWROOM, STORAGE and DISTRIBUTION — Boyertown Buriel Casket Co., Boyertown, Pa., having plans prepared by F. A. Phelps, 21 Fulton St., remodeling 4 story and basement, brick and steel, plain foundation, 342-50 Central Ave., here.

Pa., East Lansdowne (mail Lansdowne)—WAREHOUSE—James R. McCue & Bro., soon lets contract 1 story and basement, 70 x 200 ft., brick and steel, plain foundation. W. Bennett, Mutual Home Bldg., Dayton, O., archt.

Ala., Gorgas—POWER PLANT—T. W. Martin, pres. Alabama Power Co., 600 North 18th St., Birmingham, had plans prepared (1st unit) 50,000 kw. capacity steam electric power plant, near here. $5,000,000. Total $20,000,000.

Miss., Columbus — FACTORY — A. H. Barber & Co., 216 North Canal St., Chicago, Ill., having plans prepared cheese factory, 200,000 lb. milk per day, here. Engineer and architect not selected.

Ind., Indianapolis—MACHINE SHOP and GARAGE—Test Realty Co., c/o Bishop-Knowlton-Carson, archt., 312 North Meridian St., having preliminary plans prepared 3 story and basement, 100x165 ft., rein.-con. and brick, 1452-1454 Pennsylvania St. $92,000.

Mich., Mason—HEATING PLANT—See "Buildings—Commercial."

Ill., Chicago—PRINTING PLANT—A. S. Alschuler, archt., 28 East Jackson Blvd., preparing plans and soon takes bids 10 story and basement, 127x150 ft. rein.-con. and brick addition, 346,500 sq.ft. floor space, 318-328 South Jefferson St., for J. T. Igoe, 610 West Van Buren St. $1,000,000.

Mo., Bridgeton—POWER PLANT—See "Unclassified."

Mo., St. Joseph—WAREHOUSE and FACTORY, etc.—Hillyard Chemical Co., 801 South 9th St., had plans prepared by E. R. Meirer, Logan Bldg., and soon takes bids 3 story and basement, rein.-con., brick and steel warehouse, factory and office building, 9th and St. Mary Sts. $100,000.

Tex., Chihuahua (mail Mission)—COLD STORAGE PLANT—Central Power Light Co., c/o F. C. Ludden, mgr., San Benito, having preliminary surveys made 1 story, brick and concrete plant in Hargill, near here. $45,000. Private plans.

Okla., Ponca City—OIL REFINERY—Empire Refineries Co., Bartlesville, having plans prepared additional buildings, boilers, stills, compressors, pumps, loading and storage tanks, etc., here. $850,000. Private plans. Noted May 5.

Tex., Nocona — POWER PLANT — Texas-Louisiana Power Co. having preliminary plans prepared 150 x 250 ft., brick and rein.-con. power plant, 3,600 hp., near here. $325,000. Private plans.

Calif., Berkeley—FACTORY and PACKING PLANT—H. J. Heinz Corp., 2nd St., San Francisco, having plans prepared 2 story, 200 x 767 ft., fireproof, San Pablo and Heinz Aves. $1,000,000. Austin Co. of California, 244 Kearny St., San Francisco, engrs.

Bids Desired

Mass., Everett (br. Boston) — SUBSTATION — Malden Electric Co., 139 Pleasant St., Malden, taking bids 3 story, 35 x 65 ft., rein.-con., brick and steel, plain foundation, Thorndike St. $50,000. C. H. Tenney Co., 200 Devonshire St., Boston, engrs.

N. Y., New York—REPAIR—Nov. 18, by N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., constructing repair building at 28-32 Vandewater St.

N. Y., Prattsville — MAINTENANCE — Nov. 22, by Bd. Water Supply, Municipal Bldg., Park Row, Centre and Chambers Sts., New York City, maintenance building on Schoharie watershed, here; adv. E. N.-R. Nov. 10.

Wis., Milwaukee — LAUNDRY — A. H. Kienapple, archts., 445 Milwaukee St., taking bids general contract 1 and 2 story, 120x217 ft. rein.-con., brick and steel, plain foundation, Muskego Ave., for South Side Wet Wash Laundry, Inc., 641 15th Ave. $100,000. Noted Aug. 11.

Neb., Ralston — BRICK PLANT — See "Contracts Awarded."

Tex, Brownwood—GASOLINE PLANT—See "Contracts Awarded."

Contracts Awarded

Vt., Cavendish — DYE HOUSE — Gray Bros. Co., 1 story, 65 x 85 ft., brick and steel, plain foundation, to Aberthaw Co., 80 Federal St., Boston, Mass. Engrs. est. $40,000.

Mass., Brighton (Sta. Boston)—SALES, SERVICE and REPAIR SHOP—Argonaut Realty Corp., c/o H. C. Hickey, General Motors Bldg., Detroit, Mich., 2 story, rein.-con. and stone, plain foundation, North Beacon St., here, to Everett Winters Co., 1651 Grand Blvd., Detroit, Mich., and c/o J. T. Hugh, Hotel Statler, Boston. Archts. est. to exceed $150,000.

Mass., Brookline (br. Boston)—SERVICE, SALES and REPAIR SHOP — Cadillac Motor Car Co., 2860 Clark St., Detroit, Mich., 2 story and basement, 180 x 245 ft., rein.-con., brick, steel and stone, plain foundation, Commonwealth Ave. and Essex St., here, to W. A. and H. A. Root, 250 Stuart St., Boston. To exceed $40,000. Noted Oct. 20.

Mass., Cambridge (br. Boston)—FACTORY—Holland System, Inc., D. J. Holland, 27 Haymarket Sq., Boston, altering and reconstructing 3 story, brick, plain foundation, 31-45 Main St., here, to M. Slotnick, 333 Washington St., Boston. Archts. est. $40,000 or more.

Mass., Hudson — SALES, SERVICE and REPAIR SHOP —Clark's Chevrolet Co., Main St., 1 story, rein.-con., plain foundation, Lower Main St., to T. P. Hurley, 196 Main St., Marlboro. Engrs. est. $40,000.

N. Y., New York—SHOPS—Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., constructing buildings and shops at 207th St. Yard, here, to Eastern Constr. Co., 110 West 40th St., $4,170,000. Noted Oct. 6.

N. Y., New York — LAUNDRY and POWER HOUSE—B. S. Coler, comr. Welfare, Municipal Bldg., altering and constructing additions to laundry and power house at Lincoln Hospital, Concord Ave. and East 141st St., Bronx Boro, to W. W. Costro. Co., 15 West 40th St., $108,700. Noted Oct. 20.

N. J., Newark — FACTORY — L. A. Myers, Jr., Inc., 139 Ogden St., general contract 2 story, 78 x 90 ft., brick and steel, plain foundation, 137-141 Ogden St., to Shore Constr. Co., 94 Christee St. Archts. est. $40,000. Noted Nov. 3.

Tenn., Happy Valley (Elizabethton P. O.)—FACTORY — Amer. Glanzstoff Co., steel contract for factory, to McClintic Marshall Co., 50 Church St., New York City; and foundation, to Hughes-Foulkrod Co., Commonwealth Bldg., Phila., Pa. Engrs. total est. $37,500,000.

Ind., Indianapolis—MACHINE SHOP—I. Wolf, 555 North Capital St., 49x128 ft., steel and cement block, 722-4 North Capitol St., to C. F. Pollard, 3174 School St. Archts. est., $40,000.

Ind., Indianapolis—PLANT and GARAGE—Western Oil Co., 310 North Meridian St., 76x120 ft., brick and steel, 2802 East New York St., to Brown & Mick, 226 East Michigan St. Archts. est., $40,000.

Mich., Pontiac—AUTO FACTORY—Oakland Motor Car Co. (one unit), 1 story, 540 x 640 ft., rein.-con., brick and steel, plain foundation, Oakland Ave., to W. E. Wood Co., 1805 Ford Bldg., Detroit. Archts. total est. $2,000,000. Noted Oct. 20.

Ill., New Athens—PLANT—Auto Stove Wks., G. Wirth, pres. and genl. mgr., 2 story and basement, 144 x 265 ft., rein.-con., brick and steel, incl. foundry, storage room, assembly plant, etc., to Bauer Bros. Constr. Co., 424 Lebanon St., Belleville. Archts. est. $100,000.

Neb., Ralston—BRICK PLANT—Krittenbrink & Sons Brick Co., 13th and Frederick Sts., Omaha, will build 46x140 ft. dryer house, 40x50 ft. cold air exhaust and hot air fan house and garage, also 22x26 ft. office building, etc., here, by day labor. $150,000. J. P. Guth, 516 Paxton Bldg., Omaha, archt. Noted Sept. 1.

Mo., St. Louis — CANDY FACTORY — Natl. Candy Co., 208 North Bway., general contract 5 story, basement and sub-basement, rein.-con., brick and steel, Gravois and Bingham Aves., to Gamble Constr. Co., 620 Chestnut St. Archts. est. $1,000,000. Noted Aug. 4.

Mo., St. Louis—FACTORY—C. G. Kruckemeyer Machine & Parts Co., 1365 Cockrill Ave., 1 story, 7,500 sq.ft. floor space, rein.-con. and steel, Minerva Ave. and Hodiamont Ry. tracks, to Truscon Steel Co., Syndicate Trust Bldg., St. Louis. Archts. est. $50,000.

Texas—POWER PLANTS—Texas Power Corp., c/o F. H. Willmot, pres., Seguin, 2 rein.-con., brick and steel hydro-electric power plants, 2 concrete steel dams with special Weir steel lifts carry water in 12 ft. flood stage, and two 1 mi. canals, etc. on Guadelupe River near San Antonio between Seguin and Gonzales, to Summer Sollitt Co., Natl. Bank of Commerce Bldg., San Antonio, approximately $2,000,000.

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Buildings—Industrial (Continued)

Tex., Brownwood—GASOLINE PLANT—Roxana Oil Co., c/o City Natl. Bank Bldg., San Antonio, will build gasoline in Rosenfield Pool near here, by day labor. $150,000. Private plans.

Tex Brownwood—GASOLINE REFINING PLANT—Amerada Petroleum Corp., will build gasoline refining plant, by day labor. $125,000. Private plans.

Tex., Mount Pleasant — HARDWOOD MILL—G. C. Ehemann Co., Bank of Commerce Bldg., Memphis, Tenn., will build hardwood mill, here. $45,000. Private plans. Noted Aug. 18.

Tex., San Antonio—CREAMERY—Alford Pure Milk & Ice Co., c/o Phelps & DeWees, archts., 718 Gunter Bldg., rein.-con., brick, hollow tile and stucco, plain foundation, Presa and Garden Sts., here, to Granberg & Balzen, 1127 South Hackberry St., $75,000, incl. machinery.

Wash., Seattle — PACKING PLANT — Barton Packing Co., Spokane and Wyoming Sts., 4 story and basement, 160 x 240 ft., fireproof plant and office, East Marginal Way and Dwamish St., to Puget Sound Bridge & Dredging Co., Central Bldg. Archts. est. $250,000. Noted Sept. 8.

Calif., Los Angeles—FACTORY—J. C. Ingram, c/o Ingram & Co., 2 story and basement, 150 x 162 ft., rein.-con. and steel, Alosta and Pitts Sts., to J. M. Cooper, 301 Rives-Strong Bldg., $86,400. Noted June 23.

Calif., San Francisco — PIPE SHOP — Crane Co., 2nd and Brannan Sts., brick and steel annex, to J. C. Ray, Monadnock Bldg., approximately $40,500.

Ont., Galt—FACTORY—B. F. Sturtevant Co. will build 1 story, 60x150 ft. factory, 1st Ave. $50,000. Private plans.

Ont., Hamilton—FACTORY — Dominion Sheet Metal Co., 1 story 100 x 175 ft., concrete and steel, Burlington St., E., to W. H. Cooper, 6 Hughson St.; and steel, to Hamilton Bridge Co. Hamilton.

Ont., Niagara Falls — CREAMERY — Cairns Creameries, 535 Simcoe St., 2 story, 100 x 100 ft., tile and stucco, Ellen St., to D. Bawtenheimer, 2 Clifton St. Archts. est. $100,000.

Ont., Ottawa—GARAGE—Beach Motors Ltd., Bank St., rein.-con., brick and steel addition, plain foundation, to R. Meagher, Elgin St., $50,000. Noted Oct. 6.

B. C., New Westminster—RACK HOUSE Gardiner & Mercer, archts., Berks Bldg., Vancouver, general contract 7 story, 134 x 150 ft., rein.-con. rack house at Sapperton Plant, here, for British Columbia Distillery Co., Braid St., to Pacific Engineers Ltd., 827 Powell St., Vancouver, $168,000.

Buildings—Educational, Religious

Proposed Work

Mass., Gardner — CHURCH — Methodist Episcopal Church had plans prepared by A. Smith, 58 Front St., Worcester, 1 story and basement, brick and stone, Chestnut St. $150,000.

Conn., New Britain—DORMITORY—State Normal School, State Bd. Educ. having preliminary plans prepared by Guilbert & Betelle, 20 Branford Pl., Newark, N. J., brick and steel dormitory. $500,000. Noted Jan. 13.

N. J., North Arlington (mail Arlington) —SCHOOL—Bd. Educ., Boro Hall, Ridge Rd., plans 2 story and basement, brick and steel, plain foundation, Hedden Terrace and Prospect Ave. $150,000. Engineer and architect not selected.

N. J., North Plainfield—SCHOOL—Bd. Educ., 125 Somerset St., having plans prepared by J. N. Pierson & Son, 200 Jefferson St., Perth Amboy, 2 story and basement, brick and steel, plain foundation, West End Ave. $150,000.

N. J., Orange — CHURCH, SUNDAY SCHOOL, CHAPEL and HALL — E. P. Mellon, archt., soon lets contract 350 Madison Ave., New York City, general contract 2 story and basement, brick and steel, plain foundation, Main and Scott Sts., here, for 1st Presbyterian Church, 20 Cleveland Ave. $150,000.

N. J., Palisades Park—SCHOOL—Bd. Educ., Boro Hall, Broad Ave., plans 2 story and basement, brick and steel, plain foundation. $150,000. Engineer and architect not selected.

O., Cincinnati—SCHOOL—Purcell High School, 2436 Reading Rd., having plans prepared by Crowe & Schulte, 2436 Reading Rd., 3 story and basement, brick and rein.-con., plain foundation, Hackberry Rd. $500,000.

O., Cleveland—CONVENT—Church of the Jesu, F. J. Rudden, pastor, West 30th St. and Lorain Ave., having plans prepared by E. T. P. Graham, 171 Newbury St., Boston, Mass., and F. S. Fish, 6007 Euclid Ave., 3 story and basement, 50 x 150 ft., brick, steel and concrete Silsby and Traymore Rds. $150,000.

Ill., Chicago — NURSES HOME — City having sketches made by A. E. Robinson, City Hall, 4 story and basement, 60 x 180 ft., rein.-con., brick and stone, 3024 South California Ave. $400,000.

Ill., Chicago — CHURCH and COMMUNITY CENTER—Friendship Center, 9114 Houston Ave., having plans prepared by Granger & Bollenbacher, 332 South La Salle St., 1 and 3 story, 91st St. and Houston Ave. $200,000.

Minn., Minneapolis—HOSPITAL TRAINING SCHOOL — Fairview Hospital, J. Bjorhus, chn. building comn., 2312-6th St. S., having plans prepared by Long & Thorahov, archts. and engrs., 1028 Andrus Bldg., 6 story and basement, U-shaped, rein.-con. and Bedford stone, Bjornson St. S. E. and Mississippi River. $300,000. Noted June 2.

Mo., St. Louis—CHURCH—Fifth Church of Christ Scientist, W. H. Clarkson, chn., 3630 South Grand Blvd., having plans prepared by Wedemeyer & Nelson, 824 Wainwright Bldg., 1 story and basement, 125 x 135 ft., rein.-con., brick and stone, Potomac and Arkansas Sts. $200,000. Former contract rescinded. Noted Apr. 28.

Tex., Harlingen—HIGH SCHOOL—Voted $280,000 bonds, high school. Address Bd. Educ., c/o R. B. Hamilton, secy.

Bids Desired

Me., Brunswick—COLLEGE—Nov. 12, by Bowdoin College, c/o Payson, 2 story and basement, 65 x 120 ft., brick and steel, on campus, $160,000. McKim, Mead & White, 101 Park Ave., New York City, archts.

R. I., Providence—COLLEGE—Providence College, W. D. Noon, pastor, taking bids 3 story and basement, brick, steel and stone, Eaton and River Sts. $400,000. J. W. Donahue, 1242 Main St., Springfield, archt. Noted Aug. 25.

N. Y., Brooklyn—SCHOOLS—Nov. 29, by W. H. Gompert, supt. School Buildings, Flatbush Ave. extension and Concord St., general contract P. S. 204, 15th Ave. from 81st to 82nd Sts., and P. S. 121, 20th Ave. from 53rd to 54th Sts., for Bd. Educ., 500 Park Ave., New York City. Noted Oct. 13.

N. J., Livingston—SCHOOL—Nov. 18, by Bd. Educ., Central School, 2 story and basement, 40 x 91 ft. addition to Squiertown School, 144,000 cu.ft. floor space. Guilbert & Betelle, Chamber of Commerce Bldg., Newark, archts. Noted Oct. 20.

N. J., Trenton—NURSES HOME—Nov. 18, by C. N. Leathem, state archt., State Bldg., 2 story nurses home, brick, and 2 story patients building, stone, for Dept. Institutions & Agencies.

O., Cincinnati—SCHOOLS—Nov. 28, by Bd. Educ., Denton Bldg., 2 schools, one on Eastern Ave., $325,000, and other Harvey St., $150,000, both 2 story and basement, brick and rein.-con., plain foundations. Fechheimer & Ihorst, 1010 Schmidt Bldg., archt. Noted Aug. 4.

Tex., Abilene—CHURCH—W. Nichol & G. Campbell, archts., 29 Redford Bldg., taking bids 4 story, 65 x 140 ft., brick, steel and rein.-con. church for Baptist Church, c/o W. Jackson, Abilene. $150,000.

Okla., Norman—UNIVERSITY—Nov. 15, c/o B. S. Graham, dir. Student Union Corp., 3 story and basement, rein.-con. and brick, plain foundation, on campus. $250,000. Sorey & Vahlberg, Braniff Bldg., Oklahoma City, archts.

Contracts Awarded

Mass., Quincy (Ind. br. Boston) — CHURCH — Sacred Heart Parish, J. J. Casey, pastor, Atlantic, 1 story and basement, 100 x 185 ft., brick and granite, plain foundation, Hancock and Glover Sts., Atlantic Section, to B. W. Neal, 293 Boylston St., Brookline. Archts. est. $150,000 or more.

Conn., East Haven (br. New Haven)—LIBRARY—Hagaman Memorial Library, 2 story and basement, 70 x 120 ft., brick, steel, tile and stone, Main St., to H. Wales Lines Co., 134 State St., Meridan, Archts. est. $150,000. Noted Oct. 27.

N. Y., New York — TEMPLE — Temple Peni-El, general contract 1 story, 72 x 102 ft., stone, plain foundation, 132-136 West 79th St., to C. Newmark, 3410 Bway. Archts. est. $350,000. Noted May 26.

N. J., Hoboken—CHURCH—Church of Sts. Peter & Paul, 404 Hudson St., general contract 1 story and basement, brick and steel, plain foundation, 404 Hudson St., here, to J. A. Meenan, 153 West 72nd St., New York City. Archts. est. $150,000.

N. J., Jersey City — SCHOOL — St. Aloysius Academy, 719 Westside Ave., general contract 3 and 4 story, 60 x 135 ft., brick and steel, plain foundation, Kensington Ave. and Hudson Blvd., to James Mitchell, Inc., 40 Journal Sq. Archts. est. $150,000.

N. C., Greensboro — COLLEGE — North Carolina College for Women, 2 dormitories, home economics building, and kitchen wing on campus to W. P. Rose, Goldsboro, $570,000.

Miss., Natchez—SCHOOL—Bd. Educ., c/o W. H. Braden, secy., 2 story, 186 x 200 ft., rein.-con., brick and steel, to McArthur & McLemore, M. & W. Bldg., Meridian, $168,240. Former contract rescinded. Noted July 21.

Mich., Flint—CHURCH and PARISH HOUSE—First Presbyterian Church, 1 story and basement, 65 x 120 ft., rein.-con., brick, steel and stone, plain foundation, Saginaw St., to Spence Bros., 12 Brewer Blk. Archts. est. $250,000.

Mich., Lincoln Park (mail Detroit) — SCHOOL — St. Henrys Roman Catholic Church, 2 story and basement, 69 x 186 ft., rein.-con., brick and steel, plain foundation, Council Ave., to C. L. Decoster, 2468 Tuxedo St., Detroit. Archts. est. $150,000. Noted Oct. 13.

Ill., Waukegan — NURSES HOME and HOSPITAL—H. J. Gaul, archt., 232 East Superior St., Chicago, general contract 6 story, 150 x 150 ft., steel, brick and hollow tile, Keller Ave., here, to H. Schmidt & Son, 14-16 Burleigh St., Milwaukee, Wis., for Missionary Sisters of the Holy Ghost, Techny. Archts. total est. $1,000,000.

Canada — SCHOOLS — Dept. Indian Affairs, Ottawa, Ont., school at Lytton, B. C., to Adkison & Dill, 319 West Pender St., Vancouver, B. C., $139,000; school at Onion Lake, Sask., to Brown & Hudson, Winnipeg, Man., $79,891; school at Kamsack, Sask., to Wyndel, Ltd., St. Boniface, Man., $50,630; and school at Caughnawaga, Que., to McKenrie & Genest, Ottawa, Ont., $44,847. Grand total $314,368.

Que., Montreal—CONVENT—Sisters of Sacred Heart, 5 story, 75 x 150 ft., 75 x 175 ft., and 75 x 200 ft. concrete and limestone wings, Atwater Ave., to J. Quinlan Ltd., 1165 Greene Ave., Westmount, $500,000.

Federal Government Work

Proposed Work

N. Y., Brooklyn—Chimney Extension—Spec. 5425—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans extension to chimney at Naval Medical Supply Depot, here. L. E. Gregory, ch. of bureau.

N. J., Lakehurst—Mooring Mast—Spec. 5510—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans structural steel mobile mooring mast, at Naval Air Station, here. L. E. Gregory, ch. of bureau.

La., New Orleans—Revetment—U. S. Engineer Office, plans wooden revetment for protection of levees in Barataria and Lake Borgne Levee Dist.

Tex., Legion—Roads—U. S. Veterans Bureau, Arlington Bldg., Wash., D. C., rejected bids Oct. 4, resurfacing roads at U. S. Veterans Hospital, here. Noted Oct. 20.

Calif., San Diego—Distributing Systems—Spec. 5497—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans distributing systems, at Naval Operating Base (Hospital), here. L. E. Gregory, ch. of bureau.

Bids Desired

Mass., Camp Devens—Barracks—Nov. 22 (extended date), by Constructing Quartermaster, 1 infantry battalion and 1 infantry regimental barracks; adv. E. N.-R. Nov. 10. Noted Oct. 20.

N. Y., Fort Wadsworth (mail Staten Island)—Barracks—Nov. 15, at office Constructing Quartermaster, 39 Whitehall St., New York City, constructing Battalion barrack building, here. Noted Oct. 20.

W. Va., Williamson — Post Office and Courthouse—Dec. 8, by Treas. Dept., at office Supervising Archt., Wash., D. C., constructing U. S. Post Office and Courthouse, here. J. A. Wetmore, acting superv. archt.

Ky., Louisville—Beartrap Leaves—Nov. 23, by U. S. Engineers Office, P. O. Box 72, fabricating and erecting beartrap leaves for Dam 53, Ohio River, here; adv. E. N.-R. Nov. 10.

Montana-North Dakota—Earthwork, etc.—Dec. 14, at office Bureau Reclamation, Savage, Mont., E. Mead., comr., construct-

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Federal Government Work (Continued)

ing earthwork and structures for open drains on Lower Yellowstone Project, here; adv. E. N.-R. Nov. 10.

South Dakota—Earthwork, etc.—Dec. 20, at office Bureau Reclamation, Newell, E. Mead, comr., constructing earthwork and structures for open drains on Belle Fourche Project, here; adv. E. N.-R. Nov. 10.

Wash., Ellensburg — Earthwork, etc. — Dec. 6, at office Bureau Reclamation, E. Mead, comr., constructing earthwork, canal lining, tunnels, siphons, etc. in Div. 1, North Branch Canal Kittitas Div., Yakima Project, near here; adv. E. N.-R. Nov. 10.

Bids Received

N. Y., New York—Mootr Generator Sets —Spec. 5486 — Bureau Yards & Docks, Navy Dept., Wash., D. C., motor generator sets at Navy Yard, here, from Allis-Chalmers Mfg. Co., West Allis St., Milwaukee, Wis., $42,912. Noted Oct. 20.

N. J., Lakehurst—Bearings—Spec. 5525 —Bureau Yards & Docks, Navy Dept., Wash., D. C., replacing bearings on hangar doors, at Naval Air Station, here, from Bethlehem Steel Co., Bethlehem, Pa. $20,700.

Tenn., Memphis—Refrigerating Plant—U. S. Veterans Bureau, Arlington Bldg., Wash., D. C., Oct. 25, refrigerating plant at U. S. Veterans Hospital, here, from Frick Co., Waynesboro, Pa., $5,400. Noted Oct. 13.

Mich., Lansing — Mess Halls and Kitchens—U. S. Property & Disbursing Officer, Oct. 21, mess halls and kitchens, at Camp Grayling, from G. Lather & Sons, Traverse City, $16,975.

Tex., El Paso—Mezzanine—Treas. Dept., at office Supervising Archt., Wash., D. C., Oct. 24, mezzanine floor in U. S. Post office, here, from R. Gilchrist, 610 Mill St., $4,605. Noted Oct. 13.

Wash., Puget Sound—Motor Generator Sets—Spec. 5447—Bureau Yards & Docks, Navy Dept., Wash., D. C., Nov. 2, motor generator sets at Navy Yard, here, from General Electric Co., River Rd., Schenectady, N. Y., (1) $64,186 (2) $53,258 and (3) $942. Noted Oct. 27.

Contracts Awarded

N. Y., Iona Island—Wharf—Spec. 5507—Bureau Yards & Docks, Navy Dept., Wash., D. C., repairing wharf at Naval Ammunition Depot, here, to W. Parrott's Son, 10 Henry Ave., Newburgh, $6,150. Noted Nov. 3.

N. Y., New York—Piping—Treas. Dept., at office Supervising Archt., Wash., D. C., brass water supply system at U. S. Custom House, here, to J. L. Powers, Bennettsville, S. C., $30,418. Noted Oct. 6.

N. Y., Yonkers—Elevator—Treas. Dept., at office Supervising Archt., Wash., D. C., elevator in U. S. Post Office, here, to Otis Elevator Co., 11th Ave. and 26th St., New York City, $3,177. Noted Oct. 13.

N. J., Dover—Standpipe—Spec. 5516—Bureau Yards & Docks, Navy Dept., Wash., D. C., repairing steel standpipe and piping at Naval Ammunition Depot, Lake Denmark, here, to Dover Boiler Wks., Dover, $6,362. Noted Oct. 20.

La., New Orleans—Earthwork—U. S. Engineer Office, earthwork in Point Houmas Levee, to Lafourche Basin Levee Bd., Donaldsville, $17,600; in Winchester Levee, to McWilliams Dredging Co., Carondelet Bldg., $27,260; in Brookstown Levee, will be done by hired labor.

Ind., Evansville—Repairs—Treas. Dept., at office Supervising Archt., Wash., D. C., repairing U. S. Post Office here, to Universal Constr. Co., 228 Medical Arts Bldg., Fort Wayne, $4,220.

Minn., Minneapolis—Lobby Screens—Treas. Dept., at office Supervising Archt., Wash., D. C., lobby screens, U. S. Post Office, here, to Maharg Co., 1100 Andrus Bldg., $3,946.

Mo., St. Louis—Mezzanine—Treas. Dept. at office Supervising Archt., Wash., D. C., new mezzanine floor, in U. S. Post Office, here, to E. G. Lay, Inc., St. Louis, $4,898. Noted Nov. 3.

Wash., Port Orchard—Dredging—U. S. Engineer Office, Seattle, dredging entrance Port Orchard Bay, here, to Puget Sound Bridge & Dredging Co., 1 Central Bldg., Seattle $26,925.

Calif., Oakland—Dredging—U. S. Engineer Office, San Francisco, dredging in Oakland Harbor, here, to Amer. Dredging Co. 255 California St., San Francisco, $87,848. Noted Nov. 3.

Calif., Pasadena—Remodeling — Treas. Dept., at office Supervising Archt., Wash., D. C., remodeling and enlarging U. S. Post Office, here, to A. D. Paschall, 1661 Forest Ave., $18,340. Noted Sept. 29.

Unclassified

Proposed Work

Stadium—Biddeford, Me.—City, J. A. Morin, City Hall, plans probably concrete and timber stadium. $25,000 or more. Engineer not selected.

Wire, Cable, etc.—New York, N. Y.—Amer. Telephone & Telegraph Co., 195 Bway., plans building and construction program for next 5 years, aerial wire, incl. poles and lines, $3,750,000; long distance cables with associated lines, building and equipment $20,250,000; switchboard equipment and telegraph apparatus, $9,850,000; also line work and pole replacements, $5,265,000. Total approximately $40,000,000.

Beach Pavilions—Asbury Park, N. J.—City making plans 3 beach pavilions. $500,000. Warren & Wetmore, 16 East 47th St., New York City, archts. E. Arend, Asbury Park, associated archt.

Stadium—Mahwah, N. J.—Northern Bergen County Sportsmen, J. Warhol, plans concrete and steel stadium. $25,000. Engineer not selected.

Playground—Paterson, N. J.—Bd. Recreation, City Hall, plans playground. $75,000. Engineer not selected.

Stadium—Paterson, N. J.—Bd. Recreation, G. L. Walsh, pres., 853 East 22nd St., plans concrete and steel stadium. $25,000. Engineer not selected.

Overhead Crossing—New Orleans, La.—Tood Eng. Dry Dock & Repair Co., Inc., 200 Howard Ave., plans overhead crossing over Patterson St., at Hines Lane.

Air Port—Bridgeton, Mo.—City of St. Louis, c/o A. B. Lambert, 457 North Kingshighway Blvd., St. Louis, making preliminary plans 2,600 x 3,800 x 4,000 ft. airport, incl. 3 cinder runways, administration and air service buildings, gasoline and oil supply, meteorological, and air traffic control and first aid stations, machine shops, power plant, Bridgeton Station and Natural Bridge Rds., and Wabash R.R. tracks, here. $800,000. Election in November, 1928, $1,200,000 bonds, for above.

Gas Mains — Texas — Marris Finance Corp., c/o W. H. Clark, 829 West Agarita St., San Antonio, making preliminary surveys, etc., 6 and 8 in. gas pipe line between oil fields near Hondo to city limits of Pearsall, $35,000; and distributing system in Pearsall, $50,000. Private Plans.

Transmission Line—Marble Falls, Tex.—Texas Pink Granite Co., Marble Falls, plans transmission line from here to granite plant. $35,000. Private plans.

Natural Gas System—Lexington, Okla.—Community Gas Co., Ardmore, plans natural gas system, here. $25,000. Private plans.

Natural Gas System—Marietta, Okla.—Community Gas Co., Ardmore, plans natural gas system, here. $40,000. Private plans.

Natural Gas System — Wayne, Okla. — Community Gas Co., Ardmore, plans natural gas system, here. $25,000. Private plans.

Bids Desired

Tunnel — Cambridge (Boston P. O.), **Mass.** — Lever Bros., 164 Bway., taking bids concrete tunnel under Harvard St. $25,000. C. T. Main, Inc., 201 Devonshire St., Boston, engrs.

Mechanical Equipment—Brooklyn, N. Y.—Nov. 29, by W. H. Gompert, supt. School Buildings, Flatbush Ave. extension and Concord St., mechanical equipment, incl. heating, ventilating, plumbing, etc. in P. S. 204, 15th Ave. between 81st and 82nd Sts., and P. S. 121, 20th Ave. from 53rd to 54th Sts., for Bd. Educ., 500 Park Ave., New York City.

Fire Prevention—New York, N. Y.—Nov. 16, by Trustees Bellevue & Allied Hospitals, J. J. McGrath, pres., 415 East 26th St., altering and additions for fire prevention to Pavilions "A" and "B," new elevator shaft, and elevator, in Bellevue Hospital, East 26th St. and East River.

Park Improvements—New York, N. Y.—Nov. 15, by Park Bd., W. R. Herrick, pres. Park Dept., Arsenal Bldg., Central Park, improving park land between Jerome and River Aves. between 165th and 167th Sts., Bronx Boro.

Playground—New York, N. Y.—Nov. 17, by W. H. Gompert, supt. School Buildings, Flatbush Ave. extension and Concord St., Brooklyn, excavating, paving, fencing, drains, etc. for playground, Kelly St. between Leggett Ave. and Avenue St. John, Bronx Boro., for Bd. Educ., 500 Park Ave.

Pier—Baltimore, Md.—Nov. 23, by J. E. Greiner Co., engrs., Lexington Bldg., substructure 216 x 873 ft. pier, 77,000 lin.ft. 60 to 70 ft., 364,000 lin.ft. 70 to 80 ft., and 459 lin.ft. 80 ft. bearing piles, 110,000 lb. guard rail shoes and crane rail supports, McComas St., for Port Development Co., J. H. Preston, chn., Munsey Bldg. Western Maryland Ry. Co., 906 Hillen Sta., lessee. Noted May 5.

Telephone Extension—St. Louis, Mo.—See "Contracts Awarded."

Wharf and Freight Shed—Charlottetown, P. E. I.—Nov. 22, by S. E. O'Brien, secy. Dept. Pub. Wks., Ottawa, Ont., extending wharf, and constructing freight shed here, for Canadian Natl. Ry., 230 St. James St., Montreal, Que., C. S. Gzowski, ch. engr. (Constr.) $150,000. K. M. Cameron, Dept. Pub. Wks., Ottawa, Ont., engr.

Contracts Awarded

Culverts—New York—N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, 4 rein.-con. culverts along line Conduit Blvd., Queens Co., to T. J. Graham, 8621 86th St., Woodhaven, $38,113. Noted Oct. 27.

Plumbing, etc.—Flushing, N. Y.—T. W. Lamb, archt., 644 8th Ave., New York City, plumbing and drainage in theatre, Northern Blvd. and Farrington St., here, to Weber & Hamilton, 56 Hallet St., Astoria, for B. F. Keith Theatres, 1564 Bway., New York City. Noted Oct. 6.

Lighting System—Chicago, Ill.—Trustees Sanitary Dist., ornamental lighting system on McCormick Rd. from Devon to Railroad Aves., incl. 800 lights, curbing, guttering, widening all cross streets intersecting above road, etc., to U. S. A. Company, 854 Rush St., $727,000.

Telephone Extension—St. Louis, Mo.—Southwestern Bell Telephone Co., 11th and Pine Sts., will construct 3.5 mi. underground cable between Laclede-Prospect Exchange, 2713 South Grand Blvd. and Winnebago St. and Bway. via Grand, Arsenal, California and Winnebago Sts., by own forces. $37,000. Private plans.

Gas System—Covington, Okla.—For 22,000 ft. 6 in. natural gas mains, to E. W. Baker & Co., Perrine Bldg., Oklahoma City, $31,399. Engrs. est. $35,000. Noted Dec. 2.

Cribwork — Grindstone Island, Que. — Dept. Pub. Wks., Ottawa, Ont., protection cribwork, here, to Ludger Lemieux, Ltd., Ste. Marie Beauce, $33,917.

Materials

Bids Desired

Frogs, Crossings, etc.—Phila., Pa.—Nov. 16, by C. E. Walsh, purch. agt. Pennsylvania R.R. Co., at 15 North 32nd St., frogs, crossings, knuckle rails, movable points, switches, etc., Contr. 124-1927.

Sand and Gravel—Michigan—Nov. 18, by C. D. Betts, buyer for State Hy. Dept., Lansing, approximately 60,000 cu.yd. sand and 100,000 cu.yd. gravel, Stocking Aggregate on T. L. 21, Kent, Ionia, Clinton and Shiawassee Counties. H. C. Fleming, Grand Rapids, resident engr.

Aggregate—Iowa—Nov. 15, at office State Hy. Comn., Ames, 51,000 tons coarse aggregate f.o.b. cars Monticello, Langworthy and Anamosa for concrete paving Federal Aid Project 86, Jones Co. R. F. White, ch. highway engr.

Cedar Poles and Meters—Allen, Okla.—Allen Electric Co., J. E. Fitzhugh, supt., in market 1 car load 35 ft. cedar poles and two hundred 15 ampere electric meters.

Bids Received

Asphalt Oil—Trenton, N. J.—State Hy. Comn., 26,550 gal. asphaltic oil, from Warner-Quinlan Co., 27 Beaver St., New York City, at $0.1513 and $0.1648 per gal.

Pipe—Los Angeles, Calif.—City Water & Power Comn., 60,000 ft. 6 in. welded steel bell and spigot pipe, from Grinnell Co., 520 Mateo St., at $55.85 per 100 ft.

Cement—Merced, Calif.—H. P. Sargent, secy. Merced Irrigation Dist., Oct. 25, 4,000 bbl. cement, from Yosemite Portland Cement Co., Merced, H. Cowell Lime & Cement Co., 2 Market St., San Francisco, Pacific Portland Cement Co., Pacific Bldg., San Francisco, Santa Cruz Portland Cement Co., Crocker Bldg., San Francisco, and Calaveras Cement Co., 315 Montgomery St., San Francisco, all at $3.05 per bbl. cloth sacks, and $2.85 paper sacks.

See proposal advertising on page 167

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UNIT PRICES

On actual contracts gathered by field correspondents, also those sent in by readers

Road—New York

Bids were opened by State Highway Department, Albany, Oct. 7, (lowest three and highest) for constructing highway No. 9109, Normanskill Viaduct, 0.86 mi., Albany Co., from (A) Engineer's Estimate; (B) James J. Finn & Son, Albany; (C) I. B. Stephenson, Albany; (D) Pater Hamre, Glens Falls; (E) Matthy's & Co., Inc., Binghampton. The unit bids are as follows:

	A	B	C	D	E
Clearing and grubbing (lump sum)	$100.00	$100.00	$100.00	$100.00	$100.00
24,110 cu.yd. unclass. excav	1.30	1.18	.75	.75	1.20
9 gutter basins	65.00	35.00	60.00	50.00	55.00
4 special receiving basins	125.00	70.00	125.00	100.00	110.00
400 lin.ft. 30 in. reinf. conc. pipe	4.90	4.33	4.50	4.00	4.25
11,730 bbl. portland cement	3.10	2.80	2.60	2.50	3.00
1,270 cu.yd. conc. 1-2-3½ in superstructure	22.00	15.00	20.00	19.50	21.50
900 cu.yd. conc. 1-2-3½ in substructure	20.00	17.08	18.00	18.50	21.00
45 cu.yd. first class conc. 1-2-4	18.00	12.00	18.00	16.00	17.00
1,300 cu.yd. second class conc. 1-2-5½	15.00	14.00	14.00	11.50	15.50
2,930 lin.ft. granite curbing	2.30	2.09	2.20	1.90	2.20
160 lin.ft. circular granite curb	2.80	2.00	2.80	2.35	2.70
3,400 lin.ft. conc. curb, type A	1.00	.95	.90	.80	1.00
1,200 sq.yd. conc. gutters	2.15	1.92	2.00	1.65	2.15
3,220 sq.yd. steel fabric for pavement	.40	.32	.35	.30	.35
11,310 sq.yd. bar reinf. for pavement	.70	.51	.50	.60	.70
374,000 lb. bar reinf. for structures	.06	.042	.045	.05	.0575
1,675,000 lb. struc. steel	.055	.0465	.0475	.051	.049
8,300 lb. misc. iron and steel	.10	.10	.10	.08	.07
1,100 lin.ft. cable guide railing	2.00	.95	1.00	1.20	1.50
2,140 lin.ft. metal railing	6.00	5.90	6.00	6.00	5.90
14,050 sq.yd. preparing fine grade	.12	.12	.10	.10	.12
3,020 cu.yd. foundation course, R. B. gravel	2.90	1.90	1.90	2.00	2.00
2,515 cu.yd. cement conc. pavement 1-2-3½	10.70	7.85	8.50	8.00	9.00
365 cu.yd. cement conc. pavement 1-1½-3	10.70	7.85	9.00	8.00	9.00
4,560 sq.ft. bit. mat. waterproof	.12	.03	.12	.10	.10
1,020 lin.ft. maintaining traffic	.50	.50	.50	.50	.50
1,610 lin.ft. cast in place conc. piles	5.50	5.15	5.50	5.50	5.50
Painter's scaffold (lump sum)	200.00	200.00	200.00	200.00	200.00
108 lin.ft. 12 in. c.i. pipe	2.65	2.28	2.65	2.00	2.50
168 lin.ft. 16 in. c.i. pipe	3.50	3.24	3.50	3.00	3.50
192 lin.ft. 18 in. c.i. pipe	4.00	3.73	4.00	3.20	4.20
48 lin.ft. 24 in. c.i. pipe	6.90	6.17	6.90	5.60	6.90
Totals	$343,254	$284,822	$286,320	$286,496	$319,979

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Road—California

Bids were opened by U. S. Department of Agriculture, Bureau of Public Roads, District No. 2, San Francisco, July 12, (lowest three and highest) for constructing 11.85 mi. road, San Marcos Extension in Santa Barbara National Forest, Santa Barbara Co., from (A) Hollywood Granite Co., 1137 North Orange Grove Ave., Hollywood, (awarded contract); (B) C. W. Wimmer, Santa Barbara; (C) M. S. Ross, Los Angeles; (D) J. Welsh, Oakland. The unit bids are as follows:

	A	B	C	D
166,600 cu.yd. excav., unclassified	$0.43	$0.56	$0.59½	$0.84
1,550 cu.yd. excav., unclassified for structures	1.50	1.25	1.50	1.50
38,500 sta.yd. overhaul	.02	.02	.02	.03
800 cu.yd. class A conc	30.00	28.00	24.50	28.00
70 cu.yd. class B conc	28.20	28.00	25.00	25.00
99 cu.yd. class D conc	31.32½	30.00	25.00	40.00
93,500 lb. reinf. steel	.06	.07	.06	.07
2,000 lin.ft. 18 in. C.M.P. haul and place	.40	.75	.90	1.50
430 lin.ft. 24 in. C.M.P. haul and place	.50	1.00	1.35	2.00
760 lin.ft. 30 in. C.M.P. haul and place	.60	1.25	1.50	3.00
465 lin.ft. wooden guard rail	1.50	3.00	1.00	.90
970 cu.yd. boulders in protec. work	5.00	1.50	4.00	7.50
350 sq. wire fencing in protec. work	5.50	3.50	3.95	3.00
Totals	$118,361	$136,833	$146,488	$192,962

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Bridge—Washington

Bids were opened by State Highway Committee, Olympia, Oct. 4, (lowest three and highest) for constructing bridge over Teanaway River on State Road No. 2 between Cle Elum and Virden, Kittitas Co., 270 ft. long, one 180 ft. riveted steel through truss span and three 30 ft. reinf. conc. tee beam approach spans, 20 ft. roadway, from (A) R. A. Geary, 22 Sloan Bldg., Yakima, (awarded contract); (B) Illinois Steel Bridge Co., 321 Huttor. Bldg., Spokane; (C) MacRae Bros., 1109 American Bank Bldg., Seattle; (D) Daniels Consrtuction Co., Seattle. The unit bids are as follows:

	A	B	C	D
400 cu.yd. structure excav.	$6.00	$8.00	$6.75	$8.00
3,000 cu.yd. river excav. to be placed in embank.	1.00	.80	1.50	.90
200 cu.yd. conc. class "A" in place	28.00	30.00	28.00	29.75
83 cu.yd. conc. class "B" in place	26.00	23.00	25.00	28.70
114 cu.yd. conc. class "E" in place	22.00	25.00	25.00	29.00
40,000 lb. steel reinf. bars in place	.06	.05	.06	.05
226,000 lb. structural steel in place	.07¼	.07¼	.0669	.07½
160 lb. bronze expans. plates in place	.80	.75	.58	.55
Totals	$34,579	$35,030	$35,337	$36,576

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On a painting job estimated to cost $3,400, in connection with the Alliance, Ohio, sewerage works, the average of thirteen bids was $1,725 or 51 per cent for materials, $1,673 or 49 per cent for labor, with wide ranges in the bidding.

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UNIT PRICES ***Continued on page 246a***

ALL INDUSTRY Profits by Hercules Power

Hercules matchless ability to do a power job better and cheaper enables every Hercules user to set new standards of profit. This ability results directly from Hercules strength and simplicity.

Forty-three per cent *additional* output was secured with Hercules Power in a sawmill.

Work was kept eight months ahead of contract time with Hercules Power in grading equipment.

Hercules loaded five shovelfuls instead of four in excavating. Thus Hercules Power sets new records of endurance throughout American industry.

The simplicity of Hercules design, the consistent precision of Hercules production, and the Hercules factor of strength throughout underlie the successful operation of more than 75,000 Hercules Engines and Power Units. Hercules personal engineering service and the complete Hercules line of fours and sixes assures your getting the right engine in the right place.

HERCULES MOTORS CORPORATION
Canton, Ohio

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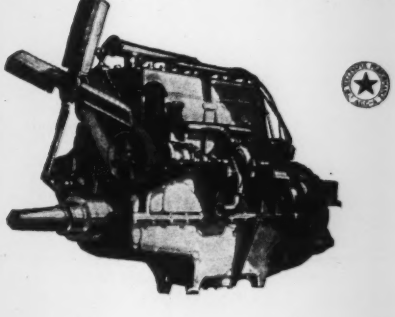
ENGINES



UNIT PRICES

On actual contracts gathered by field correspondents, also those sent in by readers

Jetty—Newport Beach, Calif.

Bids were opened by City Trustees, Apr. 25, for improvements to east and west jetties, from (A) Hauser Construction Co., Security Bldg., Long Beach, (awarded contract west jetty, rubble mound type) $354,000; (B) Butte Construction Co.; (C) Keeler & Gist; (D) Engineering-Construction Co.; (E) L. R. Weber, Balboa, (awarded contract east jetty, using rein. conc. interlocking piling) $93,000. The unit bids are as follows:

	A	B	C	D
PROPOSAL 1—Repair present west jetty and construct revetments:				
42,000 ton stone in place	$2.49	$2.51	$3.14	$2.60
PROPOSAL 2—Repair present west jetty and construct revetments:				
61,000 ton stone in place	2.07	2.25	2.38	2.40
PROPOSAL 3—Repair present east jetty and construct revetments:				
85,000 ton stone in place	1.90	2.04	1.98	2.30
PROPOSAL 4—Repair present west jetty and construct revetments including extension of west jetty of rubble mound construction:				
61,000 ton stone repair west jetty	1.70	2.25	1.88	2.30
63,000 ton stone extend west jetty	1.70	1.45	1.88	2.30
PROPOSAL 4-A—Repair west jetty and construct revetments, including extension of west jetty of rubble mound construction:				
85,000 ton stone repair west jetty	1.70	2.25	1.88	2.30
63,000 ton stone extend west jetty	1.70	1.45	1.88	2.30
PROPOSAL 5—Repair present west jetty and construct revetments, including the extension to present west jetty of rubble mound construction and the east jetty of rubble mound construction				
81,000 ton stone repair west jetty	1.60	2.25	1.85	2.30
63,000 ton stone extend west jetty	1.60	1.45	1.85	2.30
40,000 ton stone east jetty construction	1.60	2.04	2.34	2.50
PROPOSAL 5-A—Repair present west jetty and construct revetments, including extension to present west jetty of rubble mound construction and east jetty of rubble mound construction:				
85,000 ton stone repair west jetty	1.60	2.25	1.85	2.30
63,000 ton stone extend west jetty	1.60	1.45	1.85	2.30
40,000 ton stone east jetty construction	1.60	2.04	2.34	2.50

PROPOSAL 6—Construct east jetty consisting of two rows of reinf. conc. interlocking sheet piling, reinf. conc. deck and parapet, including riprap:

	A	B	C	D	E
200 ft. 20-ft. sheet piling	$89.00	$103.00	$90.00	$106.50	$160.00
200 ft. 22-ft. sheet piling	96.40	107.00	100.00	116.50	164.00
200 ft. 26-ft. sheet piling	109.80	115.00	115.00	137.80	172.00
200 ft. 30-ft. sheet piling	123.60	123.00	130.00	159.30	180.00
200 ft. 34-ft. sheet piling	138.00	131.00	140.00	180.20	188.00
2,500 ton stone for riprap	3.30	1.80	2.50	2.25	2.50

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Water System—Memphis, Tenn.

Bids were opened by City Commissioners, Sept. 21, (lowest four and highest) for improving water system, Contr. No. 5, distribution system, from (A) W. H. O'Toole Construction Co., Alexandria, (awarded contract); (B) Dellone Construction Co., Dallas; (C) McEachin & McEachin, Little Rock, Ark.; (D) Merkle Contracting Co., Kansas City, Mo.; (E) Federal Construction Co., Birmingham, Ala. The unit bids are as follows:

			A	B	C	D	E
18,120 lin.ft.	hauling and laying 20-in.	B. & S. C. I. pipe, using lead joints	$0.80	$0.95	$1.00	$1.10	$1.52
		using leadite joints	.67	.90	.94	1.00	1.34
3,000 lin.ft.	16-in.	using lead joints	.71	.70	.75	.87	1.32
		using leadite joints	.61	.67	.70	.80	1.17
24,312 lin.ft.	14-in.	using lead joints	.62	.58	.60	.70	1.42
		using leadite joints	.55	.54	.56	.65	1.32
5,364 lin.ft.	12-in.	using lead joints	.51	.48	.50	.60	.92
		using leadite joints	.45	.43	.46	.55	.82
156 lin.ft.	10 in.	using lead joints	.51	.40	.45	.53	.97
		using leadite joints	.45	.36	.42	.50	.88
2,184 lin.ft.	8-in.	using lead joints	.39	.35	.40	.43	.87
		using leadite joints	.34	.32	.38	.41	.80
	6-in.	using lead joints	.33	.30	.35	.37	1.02
1,332 lin.ft.		using leadite joints	.29	.28	.35	.35	.96
25 wet connections			15.00	15.00	30.00	30.00	25.00
63 hauling and setting	6-in. hub end gate valves and boxes		3.00	2.50	7.00	3.00	5.50
12	8-in.		3.50	2.75	8.00	4.00	6.00
5	10-in.		4.00	3.25	9.00	5.00	7.00
6	12-in.		4.50	4.00	10.00	6.00	9.00
16	14-in.		4.50	5.00	12.00	7.00	11.00
5	16-in. hub end gear operated gate valves and boxes		5.00	6.25	15.00	8.00	13.00
7	20-in. hub end gear operated gate valves and boxes		5.00	9.50	18.00	10.00	16.00
7 fire hydrants with secondary valve			10.00	6.00	20.00	20.00	10.00
1,500 lin.ft. for cutting and replacing pavement			1.50	1.20	3.00	1.80	2.00
6,000 sq.ft. replacing sidewalk			.16	.20	.25	.35	.25
Time of Completion			Apr. 1, 1928	180 working days	May 1, 1928	June 30, 1928	Apr. 1, 1928
Totals using lead joints			$39,891	$41,042	$46,974	$49,400	$80,425
Totals using leadite joints			35,041	38,707	44,502	46,000	73,400

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